

Table 6. Proposed high-voltage transmission line additions filed covering calendar Year 2014, by North American Electric Reliability Corporation, 2015 through 2027

Geographic Area		Voltage	Capacity	In-Service	Electrical Connection				Company Information				Project Information					
Data Year	NERC Region	Type	Operating (kV)	Design (kV)	Rating (MVA)	Month/Year	From Terminal	To Terminal	Length (Miles)	Type	Company Code	Company Name	Organizational Type	Ownership (Percent)	Project Name	Level of Certainty	Primary Driver 1	Primary Driver 2
2014	FRCC	AC	200-299	115	460	1/2016	SUB 4 230.00	SUB 7 230.00	3.8	OH	18445	f Tallahassee	M	100%	3.00 - SUB 7 230.00	Under Constructio	Reliability	
2014	FRCC	AC	100-120	115	232	12/2016	Sub 14 115	Sub 7 115	6.0	OH	18445	f Tallahassee	M	100%	ib 14 115-Sub 7 115	Planned	Reliability	
2014	FRCC	AC	100-120	115	209	7/2016	SUB 23 115.00	HOPKINS 115.00	2.9	OH	18445	f Tallahassee	M	100%	IO - HOPKINS 115.00	Planned	Reliability	
2014	FRCC	AC	100-120	115	392	11/2015	DELTONA 115.00	ORANGE CITY 115.00	6.2	OH	6455	nergy Florida	I	100%	IRANGE CITY 115.00	Planned	Reliability	
2014	FRCC	AC	100-120	115	335	5/2016	BOYD TP 115.00	ERIDU TP	11.3	OH	6455	nergy Florida	I	100%	5.00 - PERRY 115.00	Planned	Reliability	
2014	FRCC	AC	100-120	115	335	5/2016	BOYD TP 115.00	PERRY 115.00	11.3	OH	6455	nergy Florida	I	100%	5.00 - PERRY 115.00	Planned	Reliability	
2014	FRCC	AC	100-120	115	335	5/2016	ERIDU TP 115.00	DRIFTON 115.00	11.3	OH	6455	nergy Florida	I	100%	5.00 - PERRY 115.00	Planned	Reliability	
2014	FRCC	AC	200-299	230	919	5/2016	DEBARY 230.00	ORANGE CITY 230.00	5.8	OH	6455	nergy Florida	I	100%	IRANGE CITY 230.00	Planned	Reliability	
2014	FRCC	AC	200-299	230	1260	11/2021	SPG VALLEY 230.00	VANDOLAH	29.0	OH	6455	nergy Florida	I	100%	VANDOLAH 230.00	Planned	Reliability	
2014	FRCC	AC	100-120	115	392	5/2016	LECANTO TAP 115.00	INVERNESS 115.00	9.9	OH	6455	nergy Florida	I	100%	INVERNESS 115.00	Planned	Reliability	
2014	FRCC	AC	200-299	230	1260	5/2018	ZEPHYRHILLS N230.00	NEW RIVER 230.00	12.6	OH	6455	nergy Florida	I	100%	NEW RIVER 230.00	Planned	Reliability	
2014	FRCC	AC	200-299	230	1195	5/2020	WILLISTON 230.00	BRONSON DUKE230.00	13.6	OH	6455	nergy Florida	I	100%	NSON DUKE230.00	Planned	Reliability	
2014	FRCC	AC	200-299	230	1111	12/2016	ST LUCIE 230.00	TURNPIKE 230.00	15.1	UG	6452	ght Company	I	100%	0-TURNPIKE 230.00	Planned	Reliability	Reliability
2014	FRCC	AC	200-299	230	1195	12/2016	ORANGE RIVER 230.00	BUCKINGHAM 230.00	2.5	OH	6452	ght Company	I	100%	JCKINGHAM 230.00	Planned	Reliability	Reliability
2014	FRCC	AC	200-299	230	759	12/2017	EMERSON 230.00	MIDWAY 230.00	14.9	OH	6452	ght Company	I	100%	- MIDWAY 230.00	Planned	Reliability	Reliability
2014	FRCC	AC	200-299	230	1195	12/2017	BUCKINGHAM 230.00	ALICO 230.00	16.0	OH	6452	ght Company	I	100%	0.00 - ALICO 230.00	Planned	Reliability	Reliability
2014	FRCC	AC	200-299	230	759	12/2017	FT MYERS 230.00	BUCKINGHAM 230.00	5.0	OH	6452	ght Company	I	100%)- FT MYERS 230.00	Planned	Reliability	Reliability
2014	FRCC	AC	200-299	230	759	12/2019	DUVAL 230.00	RAVEN 230.00	45.0	OH	6452	ght Company	I	100%	.00 - RAVEN 230.00	Planned	Reliability	Reliability
2014	FRCC	AC	200-299	230	759	12/2019	LAURELWOOD 230.00	MYAKKA 230.00	17.0	OH	6452	ght Company	I	100%	0 - MYAKKA 230.00	Planned	Reliability	Reliability
2014	FRCC	AC	200-299	230	1190	6/2027	DAVIS 230.00	CLEARSKY 230.00	19.0	OH	6452	ght Company	I	100%	- CLEARSKY 230.00	Planned	ir Integration	ar Integration
2014	FRCC	AC	200-299	230	1190	6/2027	PENNSUCO 230.00	CLEARSKY 230.00	52.0	OH	6452	ght Company	I	100%	- CLEARSKY 230.00	Planned	ir Integration	ar Integration
2014	FRCC	AC	400-599	500	2598	6/2027	LEEVEE 500.00	CLEARSKY 500.00	43.0	OH	6452	ght Company	I	100%	- CLEARSKY 500.00	Planned	ir Integration	ar Integration
2014	FRCC	AC	400-599	500	2598	6/2027	LEEVEE 500.00	CLEARSKY 500.00	43.0	OH	6452	ght Company	I	100%	- CLEARSKY 500.00	Planned	ir Integration	ar Integration
2014	FRCC	AC	200-299	230	759	12/2018	ST JOHNS 230.00	PELLICER 230.00	21.5	OH	6452	ght Company	I	100%	- PELLICER 230.00	Planned	Reliability	Reliability
2014	FRCC	AC	200-299	230	526	6/2015	EMERSON 230.00	TREASURE 230.00	1.7	OH	6452	ght Company	I	100%	TREASURE 230.00	Under Constructio	Reliability	Reliability
2014	FRCC	AC	121-150	138	287	6/2017	GRATIGNY 138.00	MEMORIAL 138.00	4.5	OH	6452	ght Company	I	100%	MEMORIAL 138.00	Planned	Reliability	Reliability
2014	FRCC	AC	121-150	138	353	6/2018	COCO GRV 138.00	GALLOWAY 138.00	3.0	OH	6452	ght Company	I	100%	ALLOWAY 138.00	Planned	Reliability	Reliability
2014	FRCC	AC	121-150	138	357	6/2018	MIDWAY 138.00	SANDPIPER 138.00	17.0	OH	6452	ght Company	I	100%	38.00-SANPIPER 138	Planned	Reliability	Reliability
2014	FRCC	AC	200-299	230	668	12/2019	Greenland Energy Center	Nocatee	4.4	OH	9617	JEA	M	100%	ergy Center-Nocatee	Planned	Other	
2014	FRCC	AC	100-120	115	830	6/2017	GRANT 115.00	STANTON 230.00	11.5	OH	14610	Commission	M	100%	.00 - GRANT 115.00	Planned	Reliability	Reliability
2014	FRCC	AC	200-299	230	729	12/2016	Aspen	Polk	6.3	OH	18454	tric Company	I	100%	Aspen-Polk	Under Constructio	d Integration	
2014	FRCC	AC	200-299	230	1119	12/2016	Aspen	Mines W	10.4	OH	18454	tric Company	I	100%	Aspen-Mines W	Under Constructio	d Integration	
2014	FRCC	AC	200-299	230	1119	12/2016	Aspen	FishHawk (Circuit 1)	6.0	OH	18454	tric Company	I	100%	FishHawk (Circuit 1)	Under Constructio	d Integration	
2014	FRCC	AC	200-299	230	1119	12/2016	Aspen	FishHawk (Circuit 2)	6.0	OH	18454	tric Company	I	100%	FishHawk (Circuit 2)	Under Constructio	d Integration	
2014	FRCC	AC	200-299	230	1119	12/2016	Polk	Mines E	10.8	OH	18454	tric Company	I	100%	Polk-Mines E	Under Constructio	d Integration	
2014	FRCC	AC	200-299	230	1119	12/2016	Davis	Chapman	8.2	OH	18454	tric Company	I	100%	Chapman (Circuit 2)	Planned	d Integration	
2014	FRCC	AC	200-299	230	729	12/2016	Big Bend	Aspen	11.4	OH	18454	tric Company	I	100%	d - Aspen (Circuit 2)	Planned	d Integration	
2014	MISO		100-120	115	40 Mvar		Maynard	Capacitor				Northern States Power (Xcel Energy)		MTEP05 XEL	Planned	Reliability		
2014	MISO		200-299	230			Panther	???		OH		Northern States Power (Xcel Energy)		MTEP05 XEL	Planned	Reliability		
2014	MISO		151-199	161		9/2012	Power Plant	Carrier Mills 161kV	25	OH		Southern Illinois Power Cooperative		Carrier Mills 161kV	Planned	Reliability		
2014	MISO		151-199	161		9/2012	Carrier Mills	161/69 kV transformer		OH		Southern Illinois Power Cooperative		Carrier Mills 161kV	Planned	Reliability		
2014	MISO		100-120	115	194 MVA	6/2016	Westgate	Scott County	20.1	OH		Northern States Power (Xcel Energy)		Rebuild Westgate t	Planned	Reliability		
2014	MISO		300-399	345	2050	9/2015	North Rochester	Briggs Road (North LaCrosse	82	OH		Northern States Power (Xcel Energy)		SE Twin Cities - Roc	Under Constructio	Reliability		
2014	MISO		151-199	161		12/2015	Chester	Substation				Northern States Power (Xcel Energy)		SE Twin Cities - Roc	Under Constructio	Reliability		
2014	MISO		200-299	230		6/2017	Durbin	230/69 substation				Duke Energy Corporation		Durbin 230/69	Planned	Reliability		
2014	MISO		121-150	138	294	6/2018	Portage	Trienda	3.4	OH		American Transmission Co. LLC		Uprate Portage-Trie	Planned	Reliability		
2014	MISO		600+	765	6750	6/2018	Reynolds	Greentown	69.44	OH		Duke Energy Corporation		Proposed MVP Port	Planned	Reliability	Economics / Congestion	
2014	MISO		121-150	138	179	6/2018	Kokomo Delco	Greentown	10.22	OH		Duke Energy Corporation		Proposed MVP Port	Planned	Reliability	Economics / Congestion	
2014	MISO		300-399	345	1800 MV	9/2019	Big Stone South	Ellendale	165	OH		Otter Tail Power Company		MVP Portfolio 1 - Ell	Planned	Reliability	Economics / Congestion	
2014	MISO		300-399	345	1800 MV	9/2017	Big Stone South	Brookings	65	OH		Otter Tail Power Company		MVP Portfolio 1 - Bi	Planned	Reliability	Economics / Congestion	
2014	MISO		200-299	230	674 MVA	9/2017	Big Stone	Big Stone South	2	OH		Otter Tail Power Company		MVP Portfolio 1 - Bi	Planned	Reliability	Economics / Congestion	
2014	MISO		200-299	230	674 MVA	9/2017	Big Stone	Big Stone South	2	OH		Otter Tail Power Company		MVP Portfolio 1 - Bi	Planned	Reliability	Economics / Congestion	
2014	MISO		300-399	345	1793	11/2016	Pana	Faraday	35.9	OH		Ameren Services Company		Proposed MVP Port	Planned	Reliability	Economics / Congestion	
2014	MISO		300-399	345	1793	11/2018	Faraday	Kansas	70.2	OH		Ameren Services Company		Proposed MVP Port	Planned	Reliability	Economics / Congestion	
2014	MISO		300-399	345	1793	11/2018	Kansas	Sugar Creek	34.5	OH		Ameren Services Company		Proposed MVP Port	Planned	Reliability	Economics / Congestion	
2014	MISO		300-399	345	1793	11/2018	IL/IN State Line	Sugar Creek	1.5	OH		Ameren Services Company		Proposed MVP Port	Planned	Reliability	Economics / Congestion	
2014	MISO		300-399	345		11/2018	Faraday	Area Connection Work		OH		Ameren Services Company		Proposed MVP Port	Planned	Reliability	Economics / Congestion	
2014	MISO		300-399	345		11/2018	Kansas	Area Connection Work		OH		Ameren Services Company		Proposed MVP Port	Planned	Reliability	Economics / Congestion	
2014	MISO		121-150	138	275	6/2017	Faries Parkway	Mt. Zion	4.9	OH		Ameren Services Company		Proposed MVP Port	Planned	Reliability	Economics / Congestion	
2014	MISO		121-150	138	399	6/2017	Mt. Zion PPG	Mt. Zion Rt. 121	2.37	OH		Ameren Services Company		Proposed MVP Port	Planned	Reliability	Economics / Congestion	
2014	MISO		121-150	138	399	6/2017	Mt. Zion PPG	Route 51	4.43	OH		Ameren Services Company		Proposed MVP Port	Planned	Reliability	Economics / Congestion	
2014	MISO		121-150	138		11/2016	PPG Substation	Install 4-138 kV breakers				Ameren Services Company		Proposed MVP Port	Planned	Reliability	Economics / Congestion	
2014	MISO		121-150	138	399	11/2016	Faraday	Mt. Zion PPG	2	OH		Ameren Services Company		Proposed MVP Port	Planned	Reliability	Economics / Congestion	
2014	MISO		121-150	138	399	11/2016	Faraday	Mt. Zion PPG	2	OH		Ameren Services Company		Proposed MVP Port	Planned	Reliability	Economics / Congestion	
2014	MISO		300-399	345	1793	11/2016	Rising	Sidney	25	OH		Ameren Services Company		Proposed MVP Port	Planned	Reliability	Economics / Congestion	
2014	MISO		300-399	345	1793	6/2016	Rising			OH		Ameren Services Company		Proposed MVP Port	Under Constructio	Reliability	Economics / Congestion	

2014 MISO	300-399	345	1793	6/2016 Sidney			OH	Ameren Services Company	Proposed MVP Portl Under Constructio	Reliability	Economics / Congestion
2014 MISO	300-399	345		6/2016 Rising	Area Connection Work		OH	Ameren Services Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345		6/2016 Sidney	Area Connection Work		OH	Ameren Services Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345	1793	11/2018 Ottumwa	Zachary		36 OH	Ameren Services Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345	560	11/2018 Zachary	Install Transformer			Ameren Services Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345		6/2017 Ottumwa	Iowa border		16.6 OH	Ameren Services Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345		6/2017 Ottumwa	345 kV terminal			Ameren Services Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345	1793	6/2017 Ottumwa	IA/MO Border		20 OH	Ameren Services Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	151-199	161		11/2018 Zachary				Ameren Services Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	121-150	138	240	6/2015 Madison Industrial	Madison State Street		2.35 OH	Ameren Services Company	Madison Industrial-I Planned	Reliability	
2014 MISO	300-399	345	560	6/2016 Northwest Cape 345/161 kV	New Substation			Ameren Services Company	Northwest Cape Area Planned	Reliability	
2014 MISO	300-399	345	1793	6/2016 Lutesville	Northwest Cape		11 OH	Ameren Services Company	Northwest Cape Area Planned	Reliability	
2014 MISO	300-399	345	560	6/2016 Fargo 345/138 kV	New Substation			Ameren Services Company	New 345kV Supply z Planned	Reliability	
2014 MISO	300-399	345	1793	6/2016 Fargo	Maple Ridge		20 OH	Ameren Services Company	New 345kV Supply z Planned	Reliability	
2014 MISO	300-399	345		6/2016 Maple Ridge 345 kV Switchin	New Substation			Ameren Services Company	New 345kV Supply z Planned	Reliability	
2014 MISO	100-120	115		3/2016 Sartell	Le Sauk		3 OH	Great River Energy	Sartell (SEA) 3.0 mil Under Constructio	Reliability	
2014 MISO	100-120	115	310	5/2015 Savanna	Cromwell		29 OH	Great River Energy	Savanna-Cromwell Under Constructio	Reliability	
2014 MISO	200-299	230		5/2021 Ramsey	Grand Forks		81.02 OH	Great River Energy	Ramsey-Grand Fork Under Constructio	Reliability	
2014 MISO	151-199	161	167	12/2014 Sub T Fort Dodge				MidAmerican Energy Company	Sub T - Boone Jct 16 Planned	Reliability	
2014 MISO	300-399	345	1793	6/2015 Turkey Hill	Cahokia		18.8 OH	Ameren Services Company	Turkey Hill-Cahokia Planned	Reliability	
2014 MISO	300-399	345	1793	11/2017 Meredosia	Ipava		48 OH	Ameren Services Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345	1793	11/2017 Meredosia	Austin		76.5 OH	Ameren Services Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345	1793	11/2016 Maywood	Herleman		15.2 OH	Ameren Services Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345	1793	11/2016 Herleman	Meredosia		46.6 OH	Ameren Services Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345	1793	6/2017 Ipava			OH	Ameren Services Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345		11/2015 Herleman	Area Connection Work		OH	Ameren Services Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345		11/2015 Austin	Area Connection Work		OH	Ameren Services Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345		6/2017 Ipava	Area Connection Work		OH	Ameren Services Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345		11/2016 Meredosia	Area Connection Work		OH	Ameren Services Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345		11/2018 Fargo	Sandburg		39 OH	Ameren Services Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345		12/2016 Oak Grove	Sandburg		32 OH	Ameren Services Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345		12/2016 Oak Grove	345 kV terminal			Ameren Services Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	151-199	161	410	12/2016 Sub 56	Sub 85		7.5 OH	Ameren Services Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345		12/2016 Fargo			OH	Ameren Services Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	121-150	138		11/2016 Sandburg				Ameren Services Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	100-120	115	120	7/2018 North Dickinson	Dickinson West		3 OH	Montana-Dakota Utilities Company	Dickinson 115 kV Lo Planned	Reliability	
2014 MISO	100-120	115		7/2018 North Dickinson	2 PCB			Montana-Dakota Utilities Company	Dickinson 115 kV Lo Planned	Reliability	
2014 MISO	300-399	345		12/2018 Cardinal	Substation			American Transmission Co. LLC	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345	1446	12/2018 Briggs Road	North Madison		161.8 OH	American Transmission Co. LLC	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	121-150	138	272	12/2018 North Madison	Cardinal		19.9 OH	American Transmission Co. LLC	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345	1446	12/2018 North Madison	Cardinal		19.9 OH	American Transmission Co. LLC	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345		12/2018 Briggs Road (North LaCrosse	Substation			American Transmission Co. LLC	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345	1399	12/2020 Eden	Hickory Creek		49 OH	American Transmission Co. LLC	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345	1399	12/2020 Eden	Cardinal		60 OH	American Transmission Co. LLC	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345		12/2020 Hickory Creek				American Transmission Co. LLC	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345		12/2020 Eden				American Transmission Co. LLC	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345		12/2020 Cardinal				American Transmission Co. LLC	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345	1793	11/2018 Pana	Austin		33.6 OH	Ameren Services Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345		11/2016 Pana	Area Connection Work		OH	Ameren Services Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345	1793	11/2018 Zachary	Maywood		60 OH	Ameren Services Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345	1793	11/2015 Maywood	Establish 345 kV Sub			Ameren Services Company	Proposed MVP Portl Under Constructio	Reliability	Economics / Congestion
2014 MISO	300-399	345		12/2019 Reynolds	Hiple		OH	Northern Indiana Public Service Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345	1739	12/2016 Obrien County	Webster		122 OH	MidAmerican Energy Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345		12/2016 Obrien County				MidAmerican Energy Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345		12/2016 Webster				MidAmerican Energy Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345		12/2016 Kossuth Co.				MidAmerican Energy Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345	1386	12/2015 Petersburg - Wheatland	AEP Breed Station		52.2 OH	Midcontinent Independent System Operat	MTEP11 TCFS Flowg Planned		Economics / Congestion
2014 MISO	300-399	345		12/2015 Petersburg	345 kV breakers			Midcontinent Independent System Operat	MTEP11 TCFS Flowg Planned		Economics / Congestion
2014 MISO	300-399	345	1800 MV/	6/2015 Blackhawk	Hazleton		12 OH	MidAmerican Energy Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345	500	12/2015 Black Hawk	Black Hawk			MidAmerican Energy Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	151-199	161	410	12/2015 Franklin	Butler		26.24 OH	MidAmerican Energy Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	151-199	161	410	12/2015 Butler	Union Tap		15.93 OH	MidAmerican Energy Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	151-199	161	410	12/2015 Union Tap	Black Hawk		7.9 OH	MidAmerican Energy Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	151-199	161	410	12/2015 Black Hawk	Hazleton		24 OH	MidAmerican Energy Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	151-199	161	335 MVA	6/2015 Blackhawk	Hazleton		12 OH	MidAmerican Energy Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	151-199	161		6/2015 Blackhawk	Hazleton		OH	MidAmerican Energy Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345	1800 MV/	6/2015 Hazleton	Substation			MidAmerican Energy Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	300-399	345		12/2015 Blackhawk	Hazleton		25 OH	MidAmerican Energy Company	Proposed MVP Portl Planned	Reliability	Economics / Congestion
2014 MISO	100-120	120		6/2015 Calla (formerly Dexter)	Madrid		0.1 OH	ITC Transmission	Calla (formerly Dext Under Constructio	Reliability	
2014 MISO	100-120	120		6/2015 Calla (formerly Dexter)	Majestic		0.1 OH	ITC Transmission	Calla (formerly Dext Under Constructio	Reliability	
2014 MISO	100-120	120		12/2015 Blanket for Customer Interco	Throughout system			ITC Transmission	ITCT Customer Inter Under Constructio	Reliability	
2014 MISO	100-120	115	361	6/2015 West Creek	Chaska		2.9 OH	Northern States Power (Xcel Energy)	Highway 212 Corrid Under Constructio	Reliability	
2014 MISO	100-120	115		6/2015 Chaska	Scott County		1.9 OH	Northern States Power (Xcel Energy)	Highway 212 Corrid Under Constructio	Reliability	
2014 MISO	100-120	115		6/2015 Kohlman Lake				Northern States Power (Xcel Energy)	Kohlman Lake - Lonj Under Constructio	Reliability	
2014 MISO	300-399	345		6/2015 Chisago County				Northern States Power (Xcel Energy)	Chisago County 2nd Under Constructio	Reliability	
2014 MISO	100-120	115		6/2015 Chisago County				Northern States Power (Xcel Energy)	Chisago County 2nd Under Constructio	Reliability	
2014 MISO	100-120	115	361	6/2015 Goose Lake	Kohlman Lake		3.2 OH	Northern States Power (Xcel Energy)	Goose Lake - Kohlman Under Constructio	Reliability	

2014 MISO	100-120	115	361	6/2015	Goose Lake				Northern States Power (Xcel Energy)	Goose Lake - Kohl Under Constructior Reliability
2014 MISO	100-120	115	361	7/2015	Lawrence	Sioux Falls (New)	5.4	OH	Northern States Power (Xcel Energy)	Sioux Falls 115 kV Pl Under Constructior Reliability
2014 MISO	100-120	115	361	7/2015	Sioux Falls (New)	West Sioux Falls	4.3	OH	Northern States Power (Xcel Energy)	Sioux Falls 115 kV Pl Under Constructior Reliability
2014 MISO	100-120	115		8/2015	West Sioux Falls				Northern States Power (Xcel Energy)	Sioux Falls 115 kV Pl Under Constructior Reliability
2014 MISO	100-120	115		12/2015	Sioux Falls (New)				Northern States Power (Xcel Energy)	Sioux Falls 115 kV Pl Under Constructior Reliability
2014 MISO	100-120	115		3/2016	Lawrence				Northern States Power (Xcel Energy)	Sioux Falls 115 kV Pl Under Constructior Reliability
2014 MISO	200-299	230		12/2015	MPC Prairie	NSP Prairie			Northern States Power (Xcel Energy)	Prairie 3rd transorr Under Constructior Reliability
2014 MISO	200-299	230	564	5/2016	Bluemound	Oak Creek	0.4	OH	American Transmission Co. LLC	Uprate Oak Creek-B Planned Reliability
2014 MISO	121-150	138	293	6/2018	Mukwonago	Edgewood	7.19	OH	American Transmission Co. LLC	Rebuild Mukwonag Planned Reliability
2014 MISO	121-150	138	287	12/2017	Edgewood	St. Martins	7.07	OH	American Transmission Co. LLC	Rebuild Mukwonag Planned Reliability
2014 MISO	151-199	161		12/2017	Heron Lake	capacitor			ITC Midwest	Heron Lake 50 Mvar Planned Reliability
2014 MISO	200-299	230	187	12/2015	Deer River Substation	Substation Equipment			Minnesota Power (Allete, Inc.)	Zemple (formerly De Under Constructior Reliability
2014 MISO	100-120	115	10	12/2015	Deer River Substation	Substation Equipment			Minnesota Power (Allete, Inc.)	Zemple (formerly De Under Constructior Reliability
2014 MISO	100-120	115	122	11/2016	GRE Deer River	MP Deer River	1.75	OH	Minnesota Power (Allete, Inc.)	Zemple (formerly De Under Constructior Reliability
2014 MISO	121-150	138		12/2015	Wabash River Sta.				Duke Energy Corporation	Wabash River 138kV Under Constructior Reliability
2014 MISO	121-150	138		12/2016	Wabash River Sta.				Duke Energy Corporation	Wabash Riv 138KV (Planned Reliability
2014 MISO	100-120	120		12/2015	Bismarck	Stephens	5	OH	ITC Transmission	Bismarck - Stephens Planned Reliability
2014 MISO	121-150	138		11/2015	Delhi	Tompkins	21	OH	METC	Delhi - Tompkins #1 Under Constructior Reliability
2014 MISO	121-150	138		11/2015	Delhi	Tompkins	21	OH	METC	Delhi - Tompkins #1 Under Constructior Reliability
2014 MISO	100-120	120		12/2016	Blanket for Customer Interco	Throughout system			ITC Transmission	ITCT Customer Inter Planned Reliability
2014 MISO	121-150	138		12/2016	Blanket for Customer Interco	Throughout system			METC	METC Customer Intr Planned Reliability
2014 MISO	300-399	345	560	12/2015	Bland 345/138 kV Sub	Establish 345/138 kV Sub			Ameren Services Company	Bland 345/138 kV Si Planned Reliability
2014 MISO	121-150	138	128	12/2015	Bland	Tegeler		OH	Ameren Services Company	Bland 345/138 kV Si Planned Reliability
2014 MISO	121-150	138	128	12/2015	Bland	Osage		OH	Ameren Services Company	Bland 345/138 kV Si Planned Reliability
2014 MISO	151-199	161	410	11/2015	Raun	Kellogg	10.3	OH	MidAmerican Energy Company	Salix-Morningside 1 Planned Reliability
2014 MISO	151-199	161	410	11/2015	Salix	Morningside	2.3	OH	MidAmerican Energy Company	Salix-Morningside 1 Planned Reliability
2014 MISO	151-199	161		1/2016	Couderay (Radisson)	Osprey		OH	Northern States Power (Xcel Energy)	Couderay - Osprey 1 Under Constructior Reliability
2014 MISO	151-199	161	509	1/2016	BR Tap (3 terminal midpoint)	Matanzas (LKE)	0.2	OH	Big Rivers Electric Corporation	Wilson-Matanzas 1 Under Constructior Reliability
2014 MISO	121-150	138	293	6/2019	Bain	Spring Valley	14.45	OH	American Transmission Co. LLC	Construct Bain-Sprir Planned Reliability
2014 MISO	121-150	138	293	6/2019	Spring Valley	Geneva	11.55	OH	American Transmission Co. LLC	Construct Bain-Sprir Planned Reliability
2014 MISO	121-150	138	293	6/2019	Geneva	North Lake Geneva	12.5	OH	American Transmission Co. LLC	Construct Bain-Sprir Planned Reliability
2014 MISO	151-199	161	335 MVA	12/2015	Lore	Turkey River	19.72	OH	ITC Midwest	Lore-Turkey River-St Under Constructior Reliability
2014 MISO	151-199	161	223 MVA	12/2015	Turkey River	Stoneman	2.16	OH	ITC Midwest	Lore-Turkey River-St Planned Reliability
2014 MISO	151-199	161	330 MVA	12/2015	Lore	Substation		OH	ITC Midwest	Lore-Turkey River-St Under Constructior Reliability
2014 MISO	151-199	161	250 MVA	12/2015	Turkey River	Substation		OH	ITC Midwest	Lore-Turkey River-St Under Constructior Reliability
2014 MISO	400-599	500	1732	6/2020	Dorsey	US/MB Border	160	OH	Minnesota Power (Allete, Inc.)	Great Northern Trar Planned Hydro Integration
2014 MISO	400-599	500	1732	6/2020	US/MB Border	Iron Range	220	OH	Minnesota Power (Allete, Inc.)	Great Northern Trar Planned Hydro Integration
2014 MISO	400-599	500	1200	6/2020	Iron Range				Minnesota Power (Allete, Inc.)	Great Northern Trar Planned Hydro Integration
2014 MISO	400-599	500	1732	6/2020	Warroad River				Minnesota Power (Allete, Inc.)	Great Northern Trar Planned Hydro Integration
2014 MISO	200-299	230		6/2020	Iron Range	various	2	OH	Minnesota Power (Allete, Inc.)	Great Northern Trar Planned Hydro Integration
2014 MISO	200-299	230		6/2020	Blackberry				Minnesota Power (Allete, Inc.)	Great Northern Trar Planned Hydro Integration
2014 MISO	200-299	230		6/2020	Forbes				Minnesota Power (Allete, Inc.)	Great Northern Trar Planned Hydro Integration
2014 MISO	200-299	230		6/2020	Arrowhead				Minnesota Power (Allete, Inc.)	Great Northern Trar Planned Hydro Integration
2014 MISO	200-299	230		6/2020	Hilltop				Minnesota Power (Allete, Inc.)	Great Northern Trar Planned Hydro Integration
2014 MISO	121-150	138	246	2/2016	Pulliam	Liberty St	3.93	OH	American Transmission Co. LLC	Convert Pulliam-Glo Planned Reliability
2014 MISO	121-150	138	246	2/2016	Liberty St	Ashland Ave	2.81	OH	American Transmission Co. LLC	Convert Pulliam-Glo Planned Reliability
2014 MISO	121-150	138	246	2/2016	Ashland Ave	Glory Rd	1.19	OH	American Transmission Co. LLC	Convert Pulliam-Glo Planned Reliability
2014 MISO	121-150	138	319	10/2015	Port Washington	Saukville		OH	American Transmission Co. LLC	Reconductor Port V Planned Reliability
2014 MISO	121-150	138	319	10/2015	Port Washington	Saukville		OH	American Transmission Co. LLC	Reconductor Port V Planned Reliability
2014 MISO	121-150	138	139	6/2015	Rock Springs Tap	Kirkwood		OH	American Transmission Co. LLC	Uprate Rock Springs Planned Economics / Congestion
2014 MISO	121-150	138	285	12/2015	Bain	Albers	3.1	OH	American Transmission Co. LLC	Reconductor Bain-A Planned Reliability
2014 MISO	100-120	115	205	12/2016	Rocky Run	Plover	2.6	OH	American Transmission Co. LLC	Uprate Rocky Run-P Planned Reliability
2014 MISO	121-150	138	324	6/2015	Granville	Tamarack	6.5	OH	American Transmission Co. LLC	Reconductor Granvi Planned Reliability
2014 MISO	121-150	138	288	4/2015	Merrill Hills	Summit	6.7	OH	American Transmission Co. LLC	Rebuild Merrill Hills Planned Reliability
2014 MISO	121-150	138		6/2015	Dresser 138	tie bkr disc sw's			Duke Energy Corporation	Dresser 138kV Bus T Under Constructior Reliability
2014 MISO	200-299	230		12/2016	Five Points 230kV	brkr replacements			Duke Energy Corporation	Five Points 230kV St Planned Reliability
2014 MISO	121-150	138	100	12/2015	Crane South	New Sub			Duke Energy Corporation	Crane South 138/69 Under Constructior Reliability
2014 MISO	200-299	230		12/2016	Lafayette 230	breaker			Duke Energy Corporation	Lafayette 230kV Rin Planned Reliability
2014 MISO	100-120	115	39.2	6/2016	Canosia Road	New Substation			Minnesota Power (Allete, Inc.)	Canosia Road Subst Under Constructior Reliability
2014 MISO	121-150	138	327	6/2015	East Peoria	Tazewell	5.2	OH	Ameren Services Company	East Peoria-Tazewel Planned Reliability
2014 MISO	151-199	161		10/2015	Maurer Lake	Install 30 Mvar, 161 kV cap bank			Ameren Services Company	Maurer Lake 161 kV Planned Reliability
2014 MISO	151-199	161		12/2017	Fletcher	Substation			ITC Midwest	New Fletcher 161/6 Planned Reliability
2014 MISO	100-120	115	113	10/2015	Collins tap	Collins distribution	2.6	OH	Montana-Dakota Utilities Company	Collins distribution : Planned Reliability
2014 MISO	100-120	115	25	10/2015	Collins	115/12.47 kV transformer			Montana-Dakota Utilities Company	Collins distribution : Planned Reliability
2014 MISO	100-120	115	25	6/2017	South 9th	115/12.47 kV transformer			Montana-Dakota Utilities Company	South 9th distributi Planned Reliability
2014 MISO	100-120	115	190	6/2017	South 9th tap	South 9th		OH	Montana-Dakota Utilities Company	South 9th distributi Planned Reliability
2014 MISO	100-120	115		3/2015	Lignite Jct	115/60 kV transformer			Montana-Dakota Utilities Company	Lignite Planned Reliability
2014 MISO	300-399	345		12/2015	St. Clair	Stephens		OH	ITC Transmission	St. Clair to Stephens Under Constructior Reliability
2014 MISO	121-150	138		6/2015	Verona				METC	Verona - Marshall 1 Planned Reliability
2014 MISO	121-150	138		12/2015	North Belding	Marquette	12.8	OH	METC	North Belding - Mar Planned Reliability
2014 MISO	121-150	138		6/2015	Verona				METC	Verona-Argenta 138 Planned Reliability
2014 MISO	100-120	120		6/2016	Bloomfield	Hamlin	3.5	OH	ITC Transmission	Bloomfield - Hamlin Planned Reliability
2014 MISO	100-120	120		6/2016	Bloomfield				ITC Transmission	Bloomfield - Hamlin Planned Reliability
2014 MISO	100-120	120		12/2015	Toll Road	Fermi		OH	ITC Transmission	Toll Road + SVC Planned Reliability
2014 MISO	100-120	120		12/2016	Toll Road				ITC Transmission	Toll Road + SVC Planned Reliability
2014 MISO	100-120	120		6/2015	North Belding				METC	North Belding 138k Planned Reliability
2014 MISO	121-150	138		12/2015	McGulpin	Riggsville			METC	METC Pole Top Swit Under Constructior Reliability

2014 MISO	300-399	345	12/2015 Kenowa	Ludington	OH	METC	Kenowa - Ludington Planned	Reliability	
2014 MISO	151-199	161	12/2014 CBEC	Pottawattamie County	0.25	MidAmerican Energy Company	Pottawattamie Coui Planned	Reliability	
2014 MISO	151-199	161	12/2014 Pottawattamie County	Quick	0.25	MidAmerican Energy Company	Pottawattamie Coui Planned	Reliability	
2014 MISO	300-399	345	12/2014 CBEC	Pottawattamie County	0.25	MidAmerican Energy Company	Pottawattamie Coui Planned	Reliability	
2014 MISO	300-399	345	12/2014 Pottawattamie County	Fallow Avenue	0.25	MidAmerican Energy Company	Pottawattamie Coui Planned	Reliability	
2014 MISO	151-199	161	12/2017 Sub 701			MidAmerican Energy Company	Quick-Sub 701 161 I Planned	Reliability	
2014 MISO	151-199	161	2000 A	6/2018 Quick		MidAmerican Energy Company	Quick-Sub 701 161 I Planned	Reliability	
2014 MISO	151-199	161	410 MVA	6/2018 Quick	Sub 701	15 OH	MidAmerican Energy Company	Quick-Sub 701 161 I Planned	Reliability
2014 MISO	300-399	345	12/2014 Raun	Transformer		MidAmerican Energy Company	Raun 345-161 kV Tr. Planned	Reliability	
2014 MISO	151-199	161	6/2015 Neal North	Breaker		MidAmerican Energy Company	Neal North:161 kV E Planned	Reliability	
2014 MISO	151-199	161	6/2015 Raun	Breaker		MidAmerican Energy Company	Raun:161 kV Breake Planned	Reliability	
2014 MISO	151-199	161	6/2016 Sioux City Airport	Substation		MidAmerican Energy Company	Sioux City Airport St Planned	Reliability	
2014 MISO	121-150	138	382 MVA	6/2014 N Auburn	Chatham Main	2.6 OH	City of Springfield, IL - CWLP	N Auburn-Chatham Planned	Reliability
2014 MISO	300-399	345	12/2015 Moroco (formerly "Lenawee")			METC	Morocco (formerly ' Under Constructio	Reliability	
2014 MISO	300-399	345	12/2015 Milan			METC	Morocco (formerly ' Planned	Reliability	
2014 MISO	300-399	345	12/2015 Monroe 34			METC	Morocco (formerly ' Planned	Reliability	
2014 MISO	100-120	115	55	12/2016 Arrowhead	16 Line Tap	44.76 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	120	12/2016 Arrowhead	Cloquet	10.51 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	144	12/2016 Arrowhead	Colbyville	19.24 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	135	12/2016 Arrowhead	Haines Road	7.6 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	182	12/2016 Arrowhead	Hibbard	10.73 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	120	12/2016 Arrowhead	15th Ave West	11.86 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	58	12/2016 Badoura	Dog Lake	33.99 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	91	12/2016 Badoura	Hubbard	14.77 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	122	12/2016 Badoura	Akeley	9.41 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	182	12/2016 Blackberry	9 Line Tap	32.83 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	118	12/2016 Colbyville	Two Harbors	22.98 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	98	12/2016 Blanchard	Pepin Lake	14.27 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	90	12/2016 Blanchard	Little Falls	8.4 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	135	12/2016 Blandin	20 Line Tap	8.32 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	85	12/2016 Boise	International Falls	1.4 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	120	12/2016 Boswell	Blandin	7.78 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	120	12/2016 Boswell	Nashwauk	36.09 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	120	12/2016 Boswell	Grand Rapids	10.73 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	71	12/2016 Brainerd	Riverton	13.1 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	78	12/2016 Cloquet	9 Line Tap	30.25 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	77	12/2016 Cromwell	Riverton	61.15 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	98	12/2016 Dog Lake	24 Line Tap	0.65 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	90	12/2016 Embarrass	Virginia	15.34 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	64	12/2016 Embarrass	Babbitt	26.37 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	90	12/2016 ETCO	16 Line Tap	1.52 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	40	12/2016 Fond Du Lac	Hibbard	11.5 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	120	12/2016 Forbes	ETCO	6.28 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	85	12/2016 Forbes	44 Line Tap	17.83 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	113	12/2016 Forbes	78 Line Tap	15.87 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	207	12/2016 Gary	Stinson	11.05 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	55	12/2016 Grand Rapids	Riverton	67.7 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	144	12/2016 Haines Road	Swan Lake Road	1.32 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	182	12/2016 Hibbard	Winter Street	3.38 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	99	12/2016 Hibbing	14 Line Tap	5.76 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	91	12/2016 Hibbing	44 Line Tap	1.72 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	144	12/2016 Hibbtac	78 Line Tap	7.75 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	120	12/2016 Hilltop	15th Ave West	4.57 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	182	12/2016 Hilltop	LSPI	2.91 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	168	12/2016 Hoyt Lakes	Laskin	5.75 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	180	12/2016 International Falls	Fort Frances	2.19 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	98	12/2016 Laskin	Embarrass	10.23 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	113	12/2016 Laskin	Forbes	31.41 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	98	12/2016 Laskin	Virginia	25.86 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	103	12/2016 Little Falls	West St. Cloud	17.57 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	98	12/2016 Long Prairie	Pepin Lake	12.69 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	98	12/2016 Long Prairie	Douglas County	9.37 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	98	12/2016 Mud Lake	Brainerd	4.4 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	71	12/2016 Mud Lake	Little Falls	28.48 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	144	12/2016 Nashwauk	14 Line Tap	4.88 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	144	12/2016 Nashwauk	National	6.23 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	144	12/2016 Nashwauk	Blackberry	13.16 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	144	12/2016 Nashwauk	Blackberry	13.11 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	120	12/2016 Ridgeview	Colbyville	9.1 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	58	12/2016 Riverton	Pequot Lakes	19.17 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	77	12/2016 Riverton	Baxter	13.45 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	98	12/2016 Savanna	9 Line Tap	12.98 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	77	12/2016 Searcyville	24 Line Tap	16.66 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	217	12/2016 Shannon	Hibbtac Pumps	7.53 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	175	12/2016 Stinson	Fairmount Park	3.07 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	98	12/2016 Stinson	Bayfront	25.75 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	151-199	161	168	12/2016 Stinson	Stone Lake	42.6 OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability

2014 MISO	100-120	115	144	12/2016	Swan Lake Road	Ridgeview	2.87	OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	159	12/2016	Taconite Harbor	Silver Bay	24.86	OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	90	12/2016	Thomson	Fond Du Lac	2.2	OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	84	12/2016	Thomson	Potlatch	6.88	OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	98	12/2016	Thomson	Cromwell	28.05	OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	77	12/2016	Verndale	24 Line Tap	16.37	OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	98	12/2016	Verndale	Wing River	1.08	OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	90	12/2016	Virginia	16 Line Tap	11.12	OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	55	12/2016	Virginia	Hibbing	28.71	OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	120	12/2016	Virginia	Inland	4.04	OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	144	12/2016	Virginia	Minntac	6.26	OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	85	12/2016	Wing River	Long Prairie	31.6	OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	182	12/2016	Winter Street	Fairmount Park	3.48	OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115	217	12/2016	Riverton 230	Riverton 115	0.68	OH	Minnesota Power (Allete, Inc.)	NERC Facility Rating Planned	Reliability
2014 MISO	100-120	115		12/2015	Yankee				Northern States Power (Xcel Energy)	SW MN High Voltag Under Constructio	Reliability
2014 MISO	100-120	115		6/2016	Fenton				Northern States Power (Xcel Energy)	SW MN High Voltag Under Constructio	Reliability
2014 MISO	300-399	345		6/2015	Helena	Scott County		OH	Northern States Power (Xcel Energy)	Scott County 345 kv Under Constructio	Reliability
2014 MISO	300-399	345		6/2015	Scott County	Blue Lake		OH	Northern States Power (Xcel Energy)	Scott County 345 kv Under Constructio	Reliability
2014 MISO	300-399	345	672	6/2015	Scott County				Northern States Power (Xcel Energy)	Scott County 345 kv Under Constructio	Reliability
2014 MISO	300-399	345	672	6/2015	Scott County				Northern States Power (Xcel Energy)	Scott County 345 kv Under Constructio	Reliability
2014 MISO	100-120	115		3/2016	T-Corners				Northern States Power (Xcel Energy)	T-Corners Breaker a Under Constructio	Reliability
2014 MISO	151-199	161		6/2015	Seven Mile				Northern States Power (Xcel Energy)	Seven Mile 2nd TR Under Constructio	Reliability
2014 MISO	121-150	138	143	6/2016	Edwards	Kewanee			Ameren Services Company	Edwards Substation Planned	Reliability
2014 MISO	121-150	138	338	6/2016	Edwards	Tazewell			Ameren Services Company	Edwards Substation Planned	Reliability
2014 MISO	121-150	138	287	6/2016	Edwards	Keystone			Ameren Services Company	Edwards Substation Planned	Reliability
2014 MISO	121-150	138	191	6/2016	Edwards	Fargo			Ameren Services Company	Edwards Substation Planned	Reliability
2014 MISO	121-150	138	233	6/2016	Edwards	Fargo			Ameren Services Company	Edwards Substation Planned	Reliability
2014 MISO	121-150	138	229	6/2016	Edwards	Caterpillar			Ameren Services Company	Edwards Substation Planned	Reliability
2014 MISO	121-150	138	465	6/2016	Edwards	Tazewell			Ameren Services Company	Edwards Substation Planned	Reliability
2014 MISO	121-150	138	220	6/2016	Edwards	Caterpillar			Ameren Services Company	Edwards Substation Planned	Reliability
2014 MISO	121-150	138	430	6/2016	Edwards	GSU #3			Ameren Services Company	Edwards Substation Planned	Reliability
2014 MISO	121-150	138		10/2015	South Sheboygan Falls				American Transmission Co. LLC	Install South Sheboy Planned	Reliability
2014 MISO	151-199	161	400	12/2015	Marshland	Briggs Road	13.4	OH	Dairyland Power Cooperative	Rebuild Marshland- Planned	Reliability
2014 MISO	121-150	138	478	6/2016	Dresser	Wabash River Gen. Station	10	OH	Duke Energy Corporation	Dresser - Wabash Ri Planned	Reliability
2014 MISO	151-199	161	330 MVA	12/2015	Hickory Creek	Liberty		OH	ITC Midwest	Hickory Creek 161 k Under Constructio	Reliability
2014 MISO	151-199	161	330 MVA	12/2015	Hickory Creek	Lore		OH	ITC Midwest	Hickory Creek 161 k Under Constructio	Reliability
2014 MISO	300-399	345	1195 MV	12/2015	Hickory Creek	Substation			ITC Midwest	Hickory Creek 161 k Under Constructio	Reliability
2014 MISO	300-399	345		12/2015	Turkey River	Substation			ITC Midwest	Hickory Creek 161 k Under Constructio	Reliability
2014 MISO	100-120	115	190	3/2017	Quarry	West St. Cloud		OH	Great River Energy	Quarry-West St. Clo Planned	Reliability
2014 MISO	100-120	115		3/2017	West St. Cloud				Great River Energy	Quarry-West St. Clo Planned	Reliability
2014 MISO	100-120	115		3/2017	Quarry				Great River Energy	Quarry-West St. Clo Planned	Reliability
2014 MISO	200-299	230		12/2015	New London 230	brkr replacements			Duke Energy Corporation	New London 230kv Under Constructio	Reliability
2014 MISO	200-299	230		6/2017	Hillsdale North	new sub	2		Duke Energy Corporation	Hillsdale North 230- Planned	Reliability
2014 MISO	121-150	138		1/2017	Hoyt Lakes				Minnesota Power (Allete, Inc.)	Hoyt Lakes Substati Planned	Reliability
2014 MISO	121-150	138	30	1/2017	Hoyt Lakes				Minnesota Power (Allete, Inc.)	Hoyt Lakes Substati Planned	Reliability
2014 MISO	121-150	138	229	6/2014	Big Swan West	Big Swan East	0.41	OH	Prairie Power, Inc.	Big Swan 138/69 kv Under Constructio	Reliability
2014 MISO	121-150	138		12/2015	Alsey				Prairie Power, Inc.	Alsey 138 kv Substa Under Constructio	Reliability
2014 MISO	121-150	138		12/2015	Pittsfield				Prairie Power, Inc.	Pittsfield 138 kv sub Under Constructio	Reliability
2014 MISO	121-150	138	229	12/2015	Alsey	Pittsfield	24.5	OH	Prairie Power, Inc.	Alsey-Pittsfield 138 Under Constructio	Reliability
2014 MISO	200-299	230		8/2015	NERC Alert Facility Ratings fr	Throughout system		OH	Otter Tail Power Company	NERC Alert Facility F Planned	Reliability
2014 MISO	100-120	115		12/2016	NERC Alert Facility Ratings fr	Throughout system		OH	Otter Tail Power Company	NERC Alert Facility F Planned	Reliability
2014 MISO	151-199	161	150	12/2015	Adams	Substation			ITC Midwest	Adams 161/69kv Tr Planned	Variable/Renewable Integration
2014 MISO	151-199	161	327 MVA	12/2015	Marshalltown	Toledo	16	OH	ITC Midwest	Marshalltown-Stone Planned	Reliability
2014 MISO	151-199	161	327 MVA	12/2015	Toledo	Belle Plaine	16.5	OH	ITC Midwest	Marshalltown-Stone Planned	Reliability
2014 MISO	151-199	161	327 MVA	12/2015	Belle Plaine	Stoney Point	27.25	OH	ITC Midwest	Marshalltown-Stone Planned	Reliability
2014 MISO	151-199	161		12/2015	Marshalltown	Substation			ITC Midwest	Marshalltown-Stone Planned	Reliability
2014 MISO	151-199	161		12/2015	Toledo	Substation			ITC Midwest	Marshalltown-Stone Planned	Reliability
2014 MISO	151-199	161		12/2015	Belle Plaine	Substation			ITC Midwest	Marshalltown-Stone Planned	Reliability
2014 MISO	151-199	161		12/2015	Stoney Point	Substation			ITC Midwest	Marshalltown-Stone Planned	Reliability
2014 MISO	100-120	115		12/2014	Detroit Lakes West	Detroit Lakes Industrial		OH	Missouri River Energy Services (MRES)	Woodpecker Damag Planned	Reliability
2014 MISO	121-150	138		12/2017	Cahokia	Dupo Ferry	6.98	OH	Ameren Services Company	Cahokia-Dupo Ferry Planned	Reliability
2014 MISO	121-150	138		9/2015	Lasalle Tap (Hickok)	Install 138 kV Breaker Station			Ameren Services Company	LaSalle Tap (Hickok) Planned	Reliability
2014 MISO	121-150	138	255	9/2015	Hennepin	Oglesby			Ameren Services Company	LaSalle Tap (Hickok) Planned	Reliability
2014 MISO	300-399	345		12/2024	Campbell Tap (Kerr)	Intall 345 kV Breaker Station			Ameren Services Company	Campbell Tap (Kerr) Planned	Reliability
2014 MISO	121-150	138		9/2015	Clayton Junction (Monumen	Install 138 kV Breaker Station			Ameren Services Company	Clayton Junction (M Planned	Reliability
2014 MISO	121-150	138	175	9/2015	Macomb	Monument			Ameren Services Company	Clayton Junction (M Planned	Reliability
2014 MISO	121-150	138	240	9/2015	East Quincy	Monument			Ameren Services Company	Clayton Junction (M Planned	Reliability
2014 MISO	121-150	138	240	9/2015	Meredosia East	Monument			Ameren Services Company	Clayton Junction (M Planned	Reliability
2014 MISO	300-399	345		12/2015	Bunsonville	Install 345 kV Ring Bus			Ameren Services Company	Bunsonville 345 kV I Planned	Reliability
2014 MISO	300-399	345		9/2016	Ramsey, East	Install 345 kV Ring Bus			Ameren Services Company	Ramsey, East 345 kv Planned	Reliability
2014 MISO	300-399	345	1153	11/2015	Casey, West	Kansas			Ameren Services Company	Casey, West Termin Planned	Reliability
2014 MISO	121-150	138	269	12/2016	Rivermines	Maries	60	OH	Ameren Services Company	Rivermines-Maries-: Planned	Reliability
2014 MISO	121-150	138	269	12/2016	Clark	Osage	95	OH	Ameren Services Company	Rivermines-Maries-: Planned	Reliability
2014 MISO	121-150	138	269	12/2016	Maries	Osage	34.3	OH	Ameren Services Company	Rivermines-Maries-: Planned	Reliability
2014 MISO	121-150	138	154 MVA	12/2016	Bass Creek	Sternberg	15.9	OH	METC	Bass Creek - Sternbe Planned	Reliability
2014 MISO	121-150	138		12/2016	Riggsville	Rondo		OH	METC	Riggsville - Rondo 1: Planned	Reliability
2014 MISO	121-150	138		12/2016	Lawndale	Murphy	2.84	OH	METC	Lawndale - Murphy Planned	Reliability

2014 MISO	100-120	120	4/2016	Newburgh	Wayne		OH	ITC Transmission	Newburgh - Wayne	Planned	Reliability		
2014 MISO	121-150	138	12/2017	Blanket for Customer Interconnect	Throughout system			METC	METC Customer Interconnect	Planned	Reliability		
2014 MISO	121-150	138	12/2018	Blanket for Customer Interconnect	Throughout system			METC	METC Customer Interconnect	Planned	Reliability		
2014 MISO	300-399	345	12/2017	METC Annual Relay Betterment	Throughout system			METC	METC Annual Relay	Planned	Reliability		
2014 MISO	300-399	345	12/2018	METC Annual Relay Betterment	Throughout system			METC	METC Annual Relay	Planned	Reliability		
2014 MISO	121-150	138	12/2017	METC Wood Pole Replacement	Throughout system		OH	METC	METC Annual Wood	Planned	Reliability		
2014 MISO	121-150	138	12/2018	METC Wood Pole Replacement	Throughout system		OH	METC	METC Annual Wood	Planned	Reliability		
2014 MISO	121-150	138	12/2015	Karn	Manning			METC	Karn to Manning 13	Planned	Reliability		
2014 MISO	121-150	138	12/2015	Karn	Saginaw River			METC	Karn to Saginaw Riv	Planned	Reliability		
2014 MISO	100-120	120	12/2017	Blanket for Customer Interconnect	Throughout system			ITC Transmission	ITCT Customer Interconnect	Planned	Reliability		
2014 MISO	100-120	120	12/2018	Blanket for Customer Interconnect	Throughout system			ITC Transmission	ITCT Customer Interconnect	Planned	Reliability		
2014 MISO	300-399	345	12/2017	ITCT Annual Relay Betterment	Throughout system			ITC Transmission	ITCT Annual Relay B	Planned	Reliability		
2014 MISO	300-399	345	12/2018	ITCT Annual Relay Betterment	Throughout system			ITC Transmission	ITCT Annual Relay B	Planned	Reliability		
2014 MISO	300-399	345	12/2017	ITCT Surge Arrestor Replacement	Throughout system			ITC Transmission	ITCT Annual Surge A	Planned	Reliability		
2014 MISO	300-399	345	12/2018	ITCT Surge Arrestor Replacement	Throughout system			ITC Transmission	ITCT Annual Surge A	Planned	Reliability		
2014 MISO	100-120	120	12/2017	ITCT Wood Pole Replacement	Throughout system		OH	ITC Transmission	ITCT Annual Wood	Planned	Reliability		
2014 MISO	100-120	120	12/2018	ITCT Wood Pole Replacement	Throughout system		OH	ITC Transmission	ITCT Annual Wood	Planned	Reliability		
2014 MISO	300-399	345	12/2017	METC Misc Line Equipment	Throughout system		OH	METC	METC Annual Misc	Planned	Reliability		
2014 MISO	300-399	345	12/2018	METC Misc Line Equipment	Throughout system		OH	METC	METC Annual Misc	Planned	Reliability		
2014 MISO	151-199	161	405	11/2015	Sub 47	Sub 48		MidAmerican Energy Company	Sub 47: Upgrade Te	Planned	Reliability		
2014 MISO	151-199	161	405	11/2015	Sub 48	Sub 47		MidAmerican Energy Company	Sub 48: Upgrade Te	Planned	Reliability		
2014 MISO	151-199	161	410	7/2015	Raun	Sioux City Airport	0.1	OH	MidAmerican Energy Company	Sioux City Airport S	Planned	Reliability	
2014 MISO	151-199	161	410	7/2015	Kellogg	Sioux City Airport	0.1	OH	MidAmerican Energy Company	Sioux City Airport S	Planned	Reliability	
2014 MISO	151-199	161	405	11/2015	Sub 39	Sub 47		MidAmerican Energy Company	Sub 39: Upgrade Te	Planned	Reliability		
2014 MISO	151-199	161	405	11/2015	Sub 47	Sub 39		MidAmerican Energy Company	Sub 47: Upgrade Te	Planned	Reliability		
2014 MISO	100-120	115	100+	7/2015	Bellevue Tap	Bellevue	1	OH	Great River Energy	Bellevue 115 kV Swi	Planned	Reliability	
2014 MISO	100-120	115	398 MVA	6/2018	Franklin 115 kV substation	McComb 115 kV substation	25	OH	Entergy	Franklin - McComb	Planned	Reliability	
2014 MISO	100-120	115	398 MVA	6/2018	Franklin 115 kV substation	McComb 115 kV substation			Entergy	Franklin - McComb	Planned	Reliability	
2014 MISO	100-120	115	266 MVA	6/2015	HS EHV 115 kV Substation	HS Industrial 115 kV Substation			Entergy Arkansas	HS EHV-HS Industria	Planned	Reliability	
2014 MISO	100-120	115	266 MVA	6/2015	HS Industrial 115 kV Substation	HS Union Carbide 115 kV Substation			Entergy Arkansas	HS Industrial-HS Uni	Planned	Reliability	
2014 MISO	100-120	115	266 MVA	6/2015	HS Union Carbide 115 kV Substation	HS East 115 kV Substation			Entergy Arkansas	HS Union Carbide-H	Planned	Reliability	
2014 MISO	100-120	115	N/A	3/2016	Woodward 115 kV Substation			Entergy Arkansas	Woodward-115 kV	Under Construction	Reliability		
2014 MISO	151-199	161	112	6/2015	Tremval			Northern States Power (Xcel Energy)	Install Tremval 2nd	Planned	Reliability		
2014 MISO	100-120	115		5/2016	Magic City			Northern States Power (Xcel Energy)	Install Souris 115 kV	Planned	Reliability		
2014 MISO	151-199	161		12/2015	Gravel Island			Northern States Power (Xcel Energy)	Install Gravel Island	Planned	Reliability		
2014 MISO	300-399	345	1195	12/2015	Split Rock	Nobles County	35	OH	Northern States Power (Xcel Energy)	Reconductor Split R	Planned	Reliability	
2014 MISO	300-399	345	1195	12/2015	Nobles County	Lakefield Junction	35	OH	Northern States Power (Xcel Energy)	Reconductor Split R	Planned	Reliability	
2014 MISO	100-120	115		6/2016	Knowlton			American Transmission Co. LLC	Construct Knowlton	Planned	Reliability		
2014 MISO	100-120	115		6/2016	Weston	Knowlton		American Transmission Co. LLC	Construct Knowlton	Planned	Reliability		
2014 MISO	100-120	115		6/2016	Knowlton	Dewey		American Transmission Co. LLC	Construct Knowlton	Planned	Reliability		
2014 MISO	121-150	138	327	5/2014	07Ratts8	07Rattap	0.1	OH	Hoosier Energy REC, Inc.	Ratts 138 kV Transn	Planned	Reliability	
2014 MISO	121-150	138		1/2014	Michigan City	Laporte		OH	Edison Mission Marketing & Trading, Inc.	LaPorte-Michigan C	Planned	Economics / Congestion	
2014 MISO	300-399	345	1692	12/2015	Sidney	Eugene	29.26	OH	Ameren Services Company	Sidney-Eugene 345	Planned	Reliability	
2014 MISO	200-299	230	640 MVA	6/2015	PPG 230 kV Substation	Rose Bluff 230 kV Substation	5.28	OH	Entergy	PPG to Rosebluff 23	Planned	Reliability	
2014 MISO	300-399	345	1178	12/2017	Kelso	Lutesville	17.6	OH	Ameren Services Company	Kelso-Lutesville-1	34	Planned	Reliability
2014 MISO	121-150	138		4/2016	Eagle Valley 138 kV Substation	new gen i-connect			Indianapolis Power & Light Company	Eagle Valley 138kV	Planned	Fossil-Fired Integration	
2014 MISO	121-150	138	175	12/2018	Whitewater	Bluff Creek	5.02	OH	American Transmission Co. LLC	Reconfigure Univers	Planned	Reliability	
2014 MISO	121-150	138	246	12/2018	University	Mukwanago	22.7	OH	American Transmission Co. LLC	Reconfigure Univers	Planned	Reliability	
2014 MISO	121-150	138	246	12/2018	University	Whitewater	6.2	OH	American Transmission Co. LLC	Reconfigure Univers	Planned	Reliability	
2014 MISO	121-150	138	117	9/2016	North Fond Du Lac	Metomen	1	OH	American Transmission Co. LLC	Reroute North Fond	Planned	Other	
2014 MISO	121-150	138	120	9/2016	North Fond Du Lac	Green Lake	1	OH	American Transmission Co. LLC	Reroute North Fond	Planned	Other	
2014 MISO	100-120	115		6/2015	Cedar Creek			American Transmission Co. LLC	Construct Cedar Cre	Planned	Reliability		
2014 MISO	100-120	115	205	6/2015	Weston	Cedar Creek	0.25		American Transmission Co. LLC	Construct Cedar Cre	Planned	Reliability	
2014 MISO	100-120	115	205	6/2015	Cedar Creek	Dewey	15.65		American Transmission Co. LLC	Construct Cedar Cre	Planned	Reliability	
2014 MISO	100-120	115		6/2015	Cedar Creek			American Transmission Co. LLC	Construct Cedar Cre	Planned	Reliability		
2014 MISO	100-120	115		6/2015	Cedar Creek			American Transmission Co. LLC	Construct Cedar Cre	Planned	Reliability		
2014 MISO	300-399	345		4/2015	Southland			MidAmerican Energy Company	Southland Substatic	Planned	Reliability		
2014 MISO	300-399	345	1738	4/2015	CBEC	Southland	3	OH	MidAmerican Energy Company	Southland Substatic	Planned	Reliability	
2014 MISO	300-399	345	1792	3/2015	CBEC			MidAmerican Energy Company	Southland Substatic	Planned	Reliability		
2014 MISO	100-120	120		12/2015	Micah			ITC Transmission	Micah & Klam (Gen	Planned	Reliability		
2014 MISO	100-120	120	127	12/2015	Micah	Lee	4.5	OH	ITC Transmission	Micah & Klam (Gen	Planned	Reliability	
2014 MISO	100-120	120	134	12/2015	Micah	Kilgore	4.5	OH	ITC Transmission	Micah & Klam (Gen	Planned	Reliability	
2014 MISO	100-120	120		12/2015	Lee			ITC Transmission	Micah & Klam (Gen	Planned	Reliability		
2014 MISO	100-120	120		12/2015	Menlo			ITC Transmission	Micah & Klam (Gen	Planned	Reliability		
2014 MISO	100-120	120		12/2015	Klam			ITC Transmission	Micah & Klam (Gen	Planned	Reliability		
2014 MISO	100-120	120		12/2015	Klam			ITC Transmission	Micah & Klam (Gen	Planned	Reliability		
2014 MISO	100-120	120	305	12/2015	Klam	Bergen Tap	3.1	OH	ITC Transmission	Micah & Klam (Gen	Planned	Reliability	
2014 MISO	100-120	120	270	12/2015	Klam	Lapeer	3.1	OH	ITC Transmission	Micah & Klam (Gen	Planned	Reliability	
2014 MISO	100-120	120		12/2015	Tuscola			ITC Transmission	Micah & Klam (Gen	Planned	Reliability		
2014 MISO	100-120	120		12/2015	Lapeer			ITC Transmission	Micah & Klam (Gen	Planned	Reliability		
2014 MISO	100-120	115		5/2015	Woodlawn 115 kV substation			Entergy Arkansas	AECC Shaw POD (W	Under Construction	Reliability		
2014 MISO	100-120	115		8/2015	Cofer Road 115 kV substation			Entergy Arkansas	Cofer Road: New 1:	Planned	Reliability		
2014 MISO	100-120	115		12/2015	Hot Springs Albright 115 kV substation			Entergy Arkansas	H.S. Albright: New	Under Construction	Reliability		
2014 MISO	100-120	115		12/2015	Macedonia 115 kV substation			Entergy Arkansas	Macedonia: Build	Planned	Reliability		
2014 MISO	100-120	115		12/2015	P.B. 34 & Main 115 kV Substation			Entergy Arkansas	EAI Underrated Bre:	Planned	Reliability		
2014 MISO	100-120	115		12/2015	L.R. Industrial 115 kV substation			Entergy Arkansas	EAI Underrated Bre:	Planned	Reliability		

2014	MISO	100-120	115	12/2015	L.R. Alexander 115 kV substation				Entergy Arkansas	EAI Underrated Bre: Planned	Reliability	
2014	MISO	100-120	115	12/2015	Searcy Price 115 kV substation				Entergy Arkansas	EAI Underrated Bre: Planned	Reliability	
2014	MISO	100-120	115	12/2015	McAlmont 115 kV substation				Entergy Arkansas	EAI Underrated Bre: Planned	Reliability	
2014	MISO	100-120	115	12/2015	Jacksonville North 115 kV substation				Entergy Arkansas	EAI Underrated Bre: Planned	Reliability	
2014	MISO	100-120	115	12/2016	Carpenter 115 kV Substation				Entergy Arkansas	EAI Underrated Bre: Planned	Reliability	
2014	MISO	400-599	500	6/2016	ISES 500 kV substation				Entergy Arkansas	EAI SPOF Projects: Planned	Reliability	
2014	MISO	400-599	500	6/2016	Mabelvale 500 kV Substation				Entergy Arkansas	EAI SPOF Projects: Planned	Other	
2014	MISO	400-599	500	6/2016	El Dorado 500 kV substation				Entergy Arkansas	EAI SPOF Projects: Planned	Other	
2014	MISO	400-599	500	6/2016	Hot Springs 500 kV substation				Entergy Arkansas	EAI SPOF Projects: Planned	Other	
2014	MISO	400-599	500	6/2015	Fancy Point 500kV substation				Entergy	EGSL SPOF Projects: Planned	Other	
2014	MISO	200-299	230	12/2016	Coly 230 kV substation				Entergy	EGSL Underrated Br Planned	Reliability	
2014	MISO	200-299	230	12/2016	Coly 230 kV substation				Entergy	EGSL Underrated Br Planned	Reliability	
2014	MISO	200-299	230	3/2017	Schriever230 kV substation				Entergy	Schriever: Construc Planned	Reliability	
2014	MISO	200-299	230	12/2016	Waterford 230 kV substation				Entergy	ELL Underrated Bre: Planned	Reliability	
2014	MISO	200-299	230	12/2016	Waterford 230 kV substation				Entergy	ELL Underrated Bre: Planned	Reliability	
2014	MISO	200-299	230	6/2015	Market Street 230 kV				Entergy	ENOI SPOF Projects: Planned	Other	
2014	MISO	100-120	115	4/2015	Haute 115 kV substation				Entergy	Haute 115 kV Subst: Planned	Reliability	
2014	MISO	100-120	115	12/2015	Rex Brown 115 kV substation				Entergy	EMI Underrated Bre Planned	Reliability	
2014	MISO	100-120	115	12/2015	Rex Brown 115 kV substation				Entergy	EMI Underrated Bre Planned	Reliability	
2014	MISO	100-120	115	12/2015	Rex Brown 115 kV substation				Entergy	EMI Underrated Bre Planned	Reliability	
2014	MISO	100-120	115	12/2015	Rex Brown 115 kV substation				Entergy	EMI Underrated Bre Planned	Reliability	
2014	MISO	100-120	115	12/2015	Rex Brown 115 kV substation				Entergy	EMI Underrated Bre Planned	Reliability	
2014	MISO	100-120	115	12/2015	Rex Brown 115 kV substation				Entergy	EMI Underrated Bre Planned	Reliability	
2014	MISO	100-120	115	12/2015	Rex Brown 115 kV substation				Entergy	EMI Underrated Bre Planned	Reliability	
2014	MISO	100-120	115	12/2016	Rex Brown 115 kV substation				Entergy	EMI Underrated Bre Planned	Reliability	
2014	MISO	100-120	115	12/2016	Greenville 115 kV substation				Entergy	EMI Underrated Bre Planned	Reliability	
2014	MISO	151-199	161	7/2015	Karma	Perry distribution		OH	ITC Midwest	Perry Distribution St Under Constructio	Reliability	
2014	MISO	151-199	161	7/2015	Perry distribution	Bittersweet		OH	ITC Midwest	Perry Distribution St Under Constructio	Reliability	
2014	MISO	151-199	161	7/2015	Perry distribution	Perry Transmission		OH	ITC Midwest	Perry Distribution St Under Constructio	Reliability	
2014	MISO	151-199	161	7/2015	Perry distribution	Substation			ITC Midwest	Perry Distribution St Under Constructio	Reliability	
2014	MISO	151-199	161	7/2015	Perry Transmission	Substation			ITC Midwest	Perry Distribution St Under Constructio	Reliability	
2014	MISO	300-399	345	6/2016	Stein				ITC Transmission	(2) 55 Mvar 345kV F Planned	Reliability	
2014	MISO	300-399	345	6/2016	Rapson				ITC Transmission	(2) 55 Mvar 345kV F Planned	Reliability	
2014	MISO	151-199	161	446	6/2015	Purvis Bulk	Plant Morrow	4.55 OH	South Mississippi Electric Power Associat	Re-conductor Plant Under Constructio	Economics / Congestion	
2014	MISO	151-199	161	446	6/2015	Purvis Bulk	Plant Morrow	4.59 OH	South Mississippi Electric Power Associat	Re-conductor Plant Under Constructio	Economics / Congestion	
2014	MISO	100-120	115	6/2016	Madison Ave				Entergy	Madison Ave 115 kV Planned	Reliability	
2014	MISO	151-199	161	24 MVAR	7/2015	Datto			Entergy Arkansas	Datto: Add 161 kV 2 Planned	Reliability	
2014	MISO	400-599	500	2546	6/2017	ANO 500kV substation	Mabelvale 500kV substation		Entergy Arkansas	ANO - Mabelvale 50 Planned	Economics / Congestion	
2014	MISO	400-599	500	2546	6/2017	ANO 500kV substation	Pleasant Hill 500kV substation		Entergy Arkansas	ANO - Pleasant Hill ! Planned	Economics / Congestion	
2014	MISO	200-299	230		12/2018	Tap	Panama		Entergy	Richardson to Ibervi Planned	Economics / Congestion	
2014	MISO	200-299	230		12/2017	Romeville			Entergy	Richardson to Ibervi Planned	Economics / Congestion	
2014	MISO	200-299	230		12/2018	Richardson	Iberville	11 OH	Entergy	Richardson to Ibervi Planned	Economics / Congestion	
2014	MRO-MAPPAC	300-399	345	1200	11/2015	AVS 345	Charlie Creek 345	66 OH	1307 Basin Electric C	Basin Electric AVS-Charlie Creek 3 Planned	Reliability	
2014	MRO-MAPPAC	300-399	345	1200	11/2015	Charlie Creek 345	Judson 345	75 OH	1307 Basin Electric C	Basin Electric Charlie Creek-Judsoi Planned	Reliability	
2014	MRO-MAPPAC	300-399	345	1200	11/2017	Judson 345	Tande 345	56 OH	1307 Basin Electric C	Basin Electric Judson-Tande 345 Planned	Reliability	
2014	MRO-MAPPAC	200-299	230	460	11/2015	Judson 230	Williston 230	2 OH	1307 Basin Electric C	Basin Electric Judson-Williston 23i Planned	Reliability	
2014	MRO-MAPPAC	200-299	230	460	11/2017	Tande 230	Neset 230	2 OH	1307 Basin Electric C	Basin Electric Tande-Neset 230 Planned	Reliability	
2014	MRO-MAPPAC	300-399	345	1200	11/2016	Round Up 345	Kummer Ridge	30 OH	1307 Basin Electric C	Basin Electric Round Up-Kummer Conceptual	Reliability	
2014	MRO-MAPPAC	300-399	345	1200	11/2016	Patent Gate 345	Kummer Ridge	31 OH	1307 Basin Electric C	Basin Electric Kummer Ridge-Pate Conceptual	Reliability	
2014	MRO-MAPPAC	100-120	115	142		NAPA Jct	Yankton East Sub	10 OH	13809 NorthWester I	1 Yankton East Under Constructio	Reliability	Other
2014	MRO-MAPPAC	100-120				Rapid City	Dry Creek	0.25 OH	Western Area: F	1 Rapid City-Dry Creel Planned	Reliability	Reliability
2014	NPCC-NewEAC	100-120	100-120	380	3/2015	Orrington	Coopers Mills	54 OH	3266 CMP	1 MPRP Under Constructio	Reliability	Reliability
2014	NPCC-NewEAC	100-120	100-120	282	1/2017	Larrabee Road	Middle St	5.7 OH	3266 CMP	1 MPRP Under Constructio	Reliability	Reliability
2014	NPCC-NewEAC	100-120	100-120	282	1/2017	Middle St	Lewiston Lower	1.2 UG	3266 CMP	1 MPRP Planned	Reliability	Reliability
2014	NPCC-NewEAC	100-120	100-120	TBD	12/2018	Brayton Point Station	Somerset	3.4 OH	13433 NGRID	1 Greater Rhode Islan Conceptual	Reliability	Reliability
2014	NPCC-NewEAC	100-120	100-120	262	12/2017	Otter River	East Winchendon	6 OH	13433 NGRID	1 Central/Western M/ Planned	Reliability	Reliability
2014	NPCC-NewEAC	100-120	100-120	TBD	12/2018	Somerset	Bell Rock	3.7 UG	13433 NGRID	1 Greater Rhode Islan Conceptual	Reliability	Reliability
2014	NPCC-NewEAC	100-120	100-120	TBD	12/2016	West Walpole	Holbrook	14.7 OH	1998 NSTAR	1 Greater Boston - So Planned	Reliability	Reliability
2014	NPCC-NewEAC	100-120	100-120	718	12/2017	Tewksbury	MA/NH Border	6.5 OH	13433 NGRID	1 Greater Boston - No Conceptual	Reliability	Reliability
2014	NPCC-NewEAC	100-120	100-120	696	12/2016	Northfield Mt. Substation	Erving Substation	1.2 OH	20455 WMECO	1 Pittsfield/Greenfield Planned	Reliability	Reliability
2014	NPCC-NewEAC	300-399	300-399	718	12/2015	West Farnum S/S	CT/RI Border	17.7 OH	13433 NGRID	1 NEEWs Under Constructio	Reliability	Reliability
2014	NPCC-NewEAC	300-399	300-399	718	12/2015	Millbury S/S	West Farnum S/S	20.7 OH	13433 NGRID	1 NEEWs Planned	Reliability	Reliability
2014	NPCC-NewEAC	300-399	300-399	2420	12/2015	Card S/S	Lake Road S/S	29.3 OH	4176 CL&P	1 NEEWs Under Constructio	Reliability	Reliability
2014	NPCC-NewEAC	300-399	300-399	2420	12/2015	Lake Road S/S	CT/RI Border	7.6 OH	4176 CL&P	1 NEEWs Under Constructio	Reliability	Reliability
2014	NPCC-NewEAC	300-399	300-399	2151	3/2015	Albion Road S/S	Coopers Mills S/S	21 OH	3266 CMP	1 MPRP Under Constructio	Reliability	Reliability
2014	NPCC-NewEAC	300-399	300-399	2151	4/2015	Larrabee Road S/S	Coopers Mills S/S	34.3 OH	3266 CMP	1 MPRP Under Constructio	Reliability	Reliability
2014	NPCC-NewEDC	300-399	300-399	1200	6/2018	Quebec/NH Border	Franklin	147 OH	TBD Northern Pas I	1 Northern Pass Trans Planned	Other	Hydro Integration
2014	NPCC-NewEDC	300-399	300-399	1200	6/2018	Quebec/NH Border	Franklin	8 UG	TBD Northern Pas I	1 Northern Pass Trans Planned	Other	Hydro Integration
2014	NPCC-NewEAC	300-399	300-399	2037	6/2018	Franklin	Deerfield	34 OH	TBD Northern Pas I	1 Northern Pass Trans Planned	Other	Hydro Integration
2014	NPCC-NewEAC	100-120	100-120	282	6/2015	Lakewood	Section 83B Tap	4 OH	3266 CMP	1 Lakewood Reinforce Under Constructio	Reliability	Reliability
2014	NPCC-NewEAC	100-120	100-120	282	9/2017	County Rd S/S	Section 241A Tap	6.5 OH	3266 CMP	1 Waterville/Winslow Planned	Reliability	Reliability
2014	NPCC-NewEAC	100-120	100-120	TBD	12/2017	Mystic	Chelsea	3.8 UG	1998 NSTAR	1 Greater Boston - Ce Conceptual	Reliability	Reliability
2014	NPCC-NewEAC	100-120	100-120	TBD	12/2017	Mystic	Woburn	8 UG	1998 NSTAR	1 Greater Boston - Ce Conceptual	Reliability	Reliability
2014	NPCC-NewEAC	100-120	100-120	TBD	12/2017	Sudbury	Hudson	9 OH	1998 NSTAR	1 Greater Boston - Wt Conceptual	Reliability	Reliability
2014	NPCC-NewEAC	300-399	300-399	TBD	12/2018	Woburn	Wakefield Jct	7 UG	1998 NSTAR	0.5 Greater Boston - No Conceptual	Reliability	Reliability
2014	NPCC-NewEAC	100-120	100-120	TBD	12/2018	Sudbury	Hudson	0 UG	1998 NSTAR	1 Greater Boston - Wt Conceptual	Reliability	Reliability
2014	NPCC-NewEAC	100-120	100-120	340	12/2015	Fitzwilliam S/S	Monadnock S/S	2 OH	15472 PSNH	1 Western New Hamp Under Constructio	Reliability	Reliability
2014	NPCC-NewEAC	100-120	100-120	340	12/2015	Scobie S/S	Huse Rd. S/S	6 OH	15472 PSNH	1 Southern New Ham Under Constructio	Reliability	Reliability

2014 NPCC-NewEAC	100-120	100-120	340	12/2017	Madbury S/S	Portsmouth S/S	12 OH	15472 PSNH	I	1 Seacost New Hamps	Planned	Reliability	Reliability
2014 NPCC-NewEAC	100-120	100-120	340	12/2017	Madbury S/S	Portsmouth S/S	1 UG	15472 PSNH	I	1 Seacost New Hamps	Planned	Reliability	Reliability
2014 NPCC-NewEAC	100-120	100-120	340	12/2015	Scobie S/S	Chester S/S	6 OH	15472 PSNH	I	1 Seacost New Hamps	Under Constructior	Reliability	Reliability
2014 NPCC-NewEAC	100-120	100-120	282	12/2016	Coopers Mills	Highland Substation	22 OH	3266 CMP	I	1 Mid-Coast Spur	Conceptual	Reliability	Reliability
2014 NPCC-NewEAC	100-120	100-120	253	12/2017	Coolidge	Ascutney	14 OH	19899 VELCO	I	1 Connecticut River S	Planned	Reliability	Reliability
2014 NPCC-NewEAC	100-120	100-120	345	6/2016	J147-Peaslee	H141-Great Bay	5.5 OH	15472 PSNH	I	1 Peaslee Project	Under Constructior	Reliability	Reliability
2014 NPCC-NewEAC	100-120	100-120	250	12/2017	Greenwich	Cos Cob	3 UG	4176 CL&P	I	1 Greenwich Area	Planned	Reliability	Reliability
2014 NPCC-NewEAC	100-120	100-120	250	12/2017	Greenwich	Cos Cob	3 UG	4176 CL&P	I	1 Greenwich Area	Planned	Reliability	Reliability
2014 NPCC-NewEAC	100-120	100-120	337	12/2016	Eagle	Bridge St.	4.6 OH	15472 PSNH	I	1 Southern Area	Planned	Reliability	Reliability
2014 NPCC-NewEAC	100-120	100-120	337	12/2016	Bridge St.	Power St.	1.1 OH	15472 PSNH	I	1 Southern Area	Planned	Reliability	Reliability
2014 NPCC-NewEAC	100-120	100-120	345	6/2016	Peaslee	Power St.	5.5 OH	15472 PSNH	I	1 Southern Area	Planned	Reliability	Reliability
2014 NPCC-NewEAC	100-120	100-120	401	12/2017	Plumtree	Brookfield Jct.	3.4 OH	4176 CL&P	I	1 SWCT	Planned	Reliability	Reliability
2014 NPCC-NewEAC	100-120	100-120	285	12/2017	Wilton	Norwalk	1.5 OH	4176 CL&P	I	1 SWCT	Planned	Reliability	Reliability
2014 NPCC-NewEAC	100-120	100-120	255	12/2017	Peaceable	Ridgefield Jct.	0.1 OH	4176 CL&P	I	1 SWCT	Planned	Reliability	Reliability
2014 NPCC-NewEAC	100-120	100-120	201	12/2017	Bunker Hill	Baldwin Jct.	3 OH	4176 CL&P	I	1 SWCT	Planned	Reliability	Reliability
2014 NPCC-NewEAC	100-120	100-120	201	12/2017	West Brookfield	West Brookfield Jct.	1.4 OH	4176 CL&P	I	1 SWCT	Planned	Reliability	Reliability
2014 NPCC-NewEAC	100-120	100-120	255	12/2017	Wilton	Ridgefield Jct.	5.1 OH	4176 CL&P	I	1 SWCT	Planned	Reliability	Reliability
2014 NPCC-NewEAC	100-120	100-120	255	12/2017	Towantic	Bunker Hill	6.1 OH	4176 CL&P	I	1 SWCT	Planned	Fossil-Fired In	Reliability
2014 NPCC-NewEAC	100-120	100-120	255	12/2016	Manchester	Barbour Hill	7.6 OH	4176 CL&P	I	1 GHCC	Planned	Reliability	Reliability
2014 NPCC-NewEAC	100-120	100-120	401	12/2018	Frost Bridge	Campville	10.4 OH	4176 CL&P	I	1 GHCC	Planned	Reliability	Reliability
2014 NPCC-NewEAC	100-120	100-120	255	12/2017	Southington	Lake Ave Jct.	5.2 OH	4176 CL&P	I	1 GHCC	Planned	Reliability	Reliability
2014 NPCC-NewEAC	100-120	100-120	250	12/2018	Newington	Southwest Hartford	4 UG	4176 CL&P	I	1 GHCC	Planned	Reliability	Reliability
2014 NPCC-NewEAC	100-120	100-120	401	12/2018	Newington	Newington Tap	0.1 OH	4176 CL&P	I	1 GHCC	Planned	Reliability	Reliability
2014 NPCC-NewEAC	100-120	100-120	201	12/2017	South Meadow	Rood Ave	7.8 OH	4176 CL&P	I	1 1779 Line Partial Re	Planned	Reliability	Reliability
2014 NPCC-NewEAC	100-120	100-120	255	12/2017	Rood Ave	Bloomfield	4.2 OH	4176 CL&P	I	1 GHCC	Planned	Reliability	Reliability
2014 NPCC-NewEAC	300-399	300-399	TBD	12/2017	Scobie Pond	NH/MABorder	9.8 OH	15472 PSNH	I	1 Greater Boston - No	Planned	Reliability	Reliability
2014 NPCC-NewEAC	100-120	100-120	TBD	12/2017	Power St.	NH/MABorder	3.7 OH	15472 PSNH	I	1 Greater Boston - No	Planned	Reliability	Reliability
2014 NPCC-NewYAC	100-120	115	124	12/2017	Klinekill Tap		<10 OH		NYSEG		Planned	Reliability	
2014 NPCC-NewYAC	300-399	345	1549	6/2015	Mainesburg		151 OH		NYSEG		Planned	Reliability	
2014 NPCC-NewYAC	300-399	345	1013	6/2016	Homer City		120 OH		NGRID/NYSEG		Planned	Reliability	
2014 NPCC-NewYDC	300-399	320	1000	12/2018	Leeds 345kV		72		West Point Partners		Conceptual	Reliability	
2014 NPCC-NewYAC	300-399	345	2177	12/2019	Niagara		66.4 OH		NYPA		Planned	Reliability	
2014 NPCC-NewYAC	100-120	115	129	12/2015	Gardenville		58.3 OH		NGRID		Planned	Reliability	
2014 NPCC-NewYAC	300-399	345	1013	12/2015	Five Mile Rd (New Station)		53 OH		NGRID		Planned	Reliability	
2014 NPCC-NewYAC	300-399	345	2177	12/2019	Dysinger Tap		40.2 OH		NYPA		Planned	Reliability	
2014 NPCC-NewYDC	300-399	320	1000	12/2018	Hertel 735kV (Quebec)		333 UG		TDI		Conceptual	Reliability	
2014 NPCC-NewYAC	300-399	345	1013	6/2016	Farmers Valley		31 OH		NGRID/NYSEG		Planned	Reliability	
2014 NPCC-NewYAC	300-399	345	1549	6/2015	Watercure Road		26 OH		NYSEG		Planned	Reliability	
2014 NPCC-NewYAC	300-399	345	2500	6/2016	Fraser		21.8 OH		NYSEG		Planned	Reliability	
2014 NPCC-NewYAC	100-120	115	937	6/2015	Battenkill		21.59		NGRID		Planned	Reliability	
2014 NPCC-NewYAC	100-120	115	648	12/2017	Greenbush		20.3 OH		NGRID		Planned	Reliability	
2014 NPCC-NewYAC	200-299	230	1080	12/2017	South Perry		20 OH		NYSEG		Conceptual	Reliability	
2014 NPCC-NewYAC	121-150	138	1980	12/2022	Ramapo		17 OH		O & R		Planned	Reliability	
2014 NPCC-NewYAC	121-150	138	846	6/2023	Riverhead		16.4 UG		LIPA		Conceptual	Reliability	
2014 NPCC-NewYAC	300-399	345	3030	6/2016	Ramapo		16 OH		O & R		Planned	Reliability	
2014 NPCC-NewYAC	100-120	115	250	12/2016	Elbridge		14.5 OH		NYSEG		Planned	Reliability	
2014 NPCC-NewYAC	100-120	115	1255	12/2017	Elbridge		14.5 OH		NYSEG		Conceptual	Reliability	
2014 NPCC-NewYAC	100-120	115		6/2017	Mohican		14.2 OH		NGRID		Planned	Reliability	
2014 NPCC-NewYAC	300-399	345	1811	6/2016	Rock Tavern		13.7 OH		ConEd		Planned	Reliability	
2014 NPCC-NewYAC	300-399	345	632	6/2016	Goethals		12.95 UG		ConEd		Planned	Reliability	
2014 NPCC-NewYAC	100-120	115	220	12/2017	Clay		12.75 OH		NGRID		Planned	Reliability	
2014 NPCC-NewYAC	100-120	115	1114	6/2020	Saugerties		12.46 OH		CHGE		Planned	Reliability	
2014 NPCC-NewYAC	121-150	138		6/2017	West Bus		5.74 UG		LIPA		Conceptual	Reliability	
2014 NPCC-NewYAC	121-150	138	1062	12/2022	Sugarloaf		12 OH		O & R		Planned	Reliability	
2014 NPCC-NewYAC	100-120	115	775	6/2017	Wood Street		11.7 OH		NYSEG		Planned	Reliability	
2014 NPCC-NewYAC	200-299	230	1080	12/2017	Wethersfield		11.5 OH		NYSEG		Planned	Reliability	
2014 NPCC-NewYAC	100-120	115	1114	6/2020	Hurley Ave		11.4 OH		CHGE		Conceptual	Reliability	
2014 NPCC-NewYAC	100-120	115	1506	12/2016	Station 255 (New Station)		11.1		RGE		Planned	Reliability	
2014 NPCC-NewYAC	121-150	138	1399	6/2023	Riverhead		10.63 OH		LIPA		Conceptual	Reliability	
2014 NPCC-NewYAC	100-120	115	193	12/2017	Clay		10.24 OH		NGRID		Planned	Reliability	
2014 NPCC-NewYAC	100-120	115	1114	6/2020	High Falls		10.03 OH		CHGE		Planned	Reliability	
2014 NPCC-NewYAC	121-150	138		6/2020	Shore Rd		10 UG		LIPA		Conceptual	Reliability	
2014 NPCC-NewYAC	100-120	115	1506	12/2020	Station 255 (New Station)		9.6 OH		RGE		Planned	Reliability	
2014 NPCC-NewYAC	100-120	115	1114	6/2020	Galeville		8.96 OH		CHGE		Planned	Reliability	
2014 NPCC-NewYAC	121-150	138	825	6/2025	Northport		8.45 UG		LIPA		Conceptual	Reliability	
2014 NPCC-NewYAC	100-120	115	129	12/2015	Five Mile Rd (New Station)		8 OH		NGRID		Planned	Reliability	
2014 NPCC-NewYAC	100-120	115	1114	12/2020	Myers Corners		7.77 OH		CHGE		Conceptual	Reliability	
2014 NPCC-NewYAC	121-150	138	1604	12/2020	West Nyack (NY)		7 OH		O & R		Planned	Reliability	
2014 NPCC-NewYAC	121-150	138		6/2020	Valley Stream		7		LIPA		Conceptual	Reliability	
2014 NPCC-NewYAC	100-120	115		6/2017	Luther Forest		6.2 OH		NGRID		Conceptual	Reliability	
2014 NPCC-NewYAC	100-120	115	648	12/2017	Klinekill Tap		6.13 OH		NGRID		Planned	Reliability	
2014 NPCC-NewYAC	121-150	138	2087	6/2017	Pilgrim		6 OH		LIPA		Conceptual	Reliability	
2014 NPCC-NewYAC	100-120	115	1104	12/2016	Clay		7.3 OH		NGRID		Planned	Reliability	
2014 NPCC-NewYAC	121-150	138	2087	6/2017	West Bus		5.74 OH		LIPA		Conceptual	Reliability	
2014 NPCC-NewYAC	100-120	115	1114	6/2020	St. Pool		5.61 OH		CHGE		Planned	Reliability	
2014 NPCC-NewYAC	100-120	115	1280	6/2016	Pleasant Valley		5.53 OH		CHGE		Planned	Reliability	
2014 NPCC-NewYAC	100-120	115	1280	6/2016	Todd Hill		5.23 OH		CHGE		Planned	Reliability	

2014 NPCC-NewYAC	100-120	115		6/2017 Luther Forest		5.1 OH	NGRID	Conceptual	Reliability				
2014 NPCC-NewYAC	121-150	138	1980	6/2017 Burns		5 OH	O & R	Planned	Reliability				
2014 NPCC-NewYAC	121-150	138		6/2025 Newbridge		5 UG	LIPA	Conceptual	Reliability				
2014 NPCC-NewYAC	100-120	115	1114	6/2020 Kerhonkson		4.97 OH	CHGE	Planned	Reliability				
2014 NPCC-NewYAC	100-120	115	1114	6/2020 Modena		4.62 OH	CHGE	Planned	Reliability				
2014 NPCC-NewYAC	300-399	345	800	6/2016 Gowanus		4.05 UG	ConEd	Planned	Reliability				
2014 NPCC-NewYAC	300-399	345	3000	6/2018 North Rockland (New Station)		4 OH	O & R/ConEd	Conceptual	Reliability				
2014 NPCC-NewYAC	300-399	345	2177	12/2019 Station 255 (New Station)		3.8 OH	NYPA	Planned	Reliability				
2014 NPCC-NewYAC	100-120	115	1255	6/2016 Station 67		3.5 OH	RGE	Planned	Reliability				
2014 NPCC-NewYAC	100-120	115		6/2019 Mohican		3.5 OH	NGRID	Conceptual	Reliability				
2014 NPCC-NewYAC	100-120	115	1280	6/2019 E. Fishkill		3.32 OH	CHGE	Conceptual	Reliability				
2014 NPCC-NewYAC	100-120	115	2008	12/2015 Station 33		2.97 UG	RGE	Planned	Reliability				
2014 NPCC-NewYAC	100-120	115	1114	12/2020 Knapps Corners		2.88 OH	CHGE	Conceptual	Reliability				
2014 NPCC-NewYAC	100-120	115	916	6/2015 Eastover Road (New Station)		2.6	NGRID	Planned	Reliability				
2014 NPCC-NewYAC	100-120	115	1454	12/2020 Fishkill Plains		2.05 OH	CHGE	Conceptual	Reliability				
2014 NPCC-NewYAC	200-299	230		12/2017 Cumberland Head		1.63 SM	NYPA	Conceptual	Reliability				
2014 NPCC-NewYAC	300-399	345	1252	6/2016 Goethals		1.5 UG	ConEd	Planned	Reliability				
2014 NPCC-NewYAC	300-399	345	1252	6/2016 Goethals		1.5 UG	ConEd	Planned	Reliability				
2014 NPCC-NewYAC	100-120	115	2008	12/2015 Station 262		1.46 UG	RGE	Planned	Reliability				
2014 NPCC-NewYAC	100-120	115	775	6/2016 Wood Street		1.34 OH	NYSEG	Planned	Reliability				
2014 NPCC-NewYAC	100-120	115	1396	6/2015 Mortimer		1 OH	RGE	Planned	Reliability				
2014 NPCC-NewYAC	100-120	115	1396	6/2015 Station 251		0.98 OH	RGE	Planned	Reliability				
2014 NPCC-NewYAC	100-120	115		6/2015 Gardenville		0.3	NGRID	Planned	Reliability				
2014 NPCC-NewYAC	300-399	345	2504	6/2016 Goethals		-1.5 UG	ConEd	Planned	Reliability				
2014 NPCC-NewYAC	121-150	138	2087	6/2017 Pilgrim		-11.74 OH	LIPA	Conceptual	Reliability				
2014 NPCC-NewYAC	100-120	115	937	6/2015 Luther Forest		-18.3	NGRID	Planned	Reliability				
2014 NPCC-NewYAC	100-120	115	916	6/2015 Battenkill		-22.39	NGRID	Planned	Reliability				
2014 NPCC-NewYAC	100-120	115	648	12/2017 Greenbush		-26.43 OH	NGRID	Planned	Reliability				
2014 NPCC-NewYAC	200-299	230	1080	12/2017 Wethersfield		-31.5 OH	NYSEG	Planned	Reliability				
2014 NPCC-NewYAC	300-399	345	2177	12/2019 Dysinger Tap		-44 OH	NYPA	Planned	Reliability				
2014 NPCC-NewYAC	100-120	115	584	12/2015 Gardenville		-65.69 OH	NGRID	Planned	Reliability				
2014 NPCC-NewYAC	300-399	345	2177	12/2019 Niagara		-70.2 OH	NYPA	Planned	Reliability				
2014 NPCC-NewYAC	300-399	345	1013	6/2016 Homer City		-151.11 OH	NGRID/NYSEG	Planned	Reliability				
2014 NPCC-NewYAC	300-399	345	1549	6/2015 Homer City		-177 OH	NYSEG	Planned	Reliability				
2014 NPCC-NewYAC	300-399	345	1013	12/2015 Homer City		-204.11 OH	NGRID	Planned	Reliability				
2014 NPCC-NewYDC	200-299	200	500	6/2016 Deans 500kV		82 UG	LIPA	Planned	Reliability				
2014 NPCC-NewYAC	100-120	115	1114	6/2020 High Falls		10.03 OH	CHGE	Planned	Reliability				
2014 NPCC-NewYAC	100-120	115	1114	6/2020 Galeville		8.96 OH	CHGE	Planned	Reliability				
2014 NPCC-NewYAC	100-120	138	TBD	6/2020 Valley Stream		7 OH	LIPA	Conceptual	Reliability				
2014 NPCC-NewYAC	100-120	138	TBD	6/2020 Shore Rd		10 UG	LIPA	Conceptual	Reliability				
2014 NPCC-NewYAC	100-120	115	937	6/2015 Luther Forest		17.5 OH	NGRID	Planned	Reliability				
2014 NPCC-NewYAC	300-399	345	3000	6/2018 Ladentown		-9.5 OH	O&R/Coned	Conceptual	Reliability				
2014 NPCC-NewYAC	300-399	345	3000	6/2018 Ladentown		5.5 OH	O&R/Coned	Conceptual	Reliability				
2014 NPCC-NewYAC	300-399	345	3000	6/2018 North Rockland		4 OH	O&R/Coned	Conceptual	Reliability				
2014 PJM	AC	200-299	200-299	700	8/2015 Orchard	Cumberland	2.7 OH	AE	I	1 b0210.1	Under Constructor	Reliability	Economics / Congestion
2014 PJM	AC	200-299	200-299	669	6/2016 Mickleton	Gloucester	1.7 OH	AE	I	1 b1398.3.1	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	389	8/2015 Biers Run	Hopetown	5.5 OH	14006 AEP	I	1 b1032.2	Under Constructor	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	389	8/2015 Biers Run	Circleville	23.5 OH	14006 AEP	I	1 b1032.2	Under Constructor	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	389	6/2016 Hopetown	Delano	5.5 OH	14006 AEP	I	1 b1032.3	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	251	8/2015 South Canton	West Canton	4.1 OH	14006 AEP	I	1 b1034.1	Under Constructor	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	251	8/2015 Wagenhals	Wayview	9 OH	14006 AEP	I	1 b1034.1	Under Constructor	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	296	6/2016 Hillsboro	Highland	7.5 OH	14006 AEP	I	1 b1466.7	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	388	6/2016 Robison Park	Auburn	15.5 OH	14006 AEP	I	1 b1490	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	388	6/2016 Robison Park	Auburn	15.5 OH	14006 AEP	I	1 b1490	Planned	Reliability	Economics / Congestion
2014 PJM	AC	600+	600+	4257	6/2016 Dumont	Sorenson	7 OH	14006 AEP	I	1 b1659.14	Planned	Reliability	Economics / Congestion
2014 PJM	AC	600+	600+	4257	6/2016 Marysville	Sorenson	7 OH	14006 AEP	I	1 b1659.14	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	251	6/2016 Pemberton	Cherry Creek	4 OH	14006 AEP	I	1 b1662	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	388	6/2016 Jacksons Ferry	Progress Park	14.8 OH	14006 AEP	I	1 b1663.1	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	388	6/2016 Jacksons Ferry	Wythe	20.1 OH	14006 AEP	I	1 b1663.1	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	167	6/2016 Melmore	Greenlawn	2 OH	14006 AEP	I	1 b1667	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	167	6/2016 Greenlawn	Tiffin Center	2 OH	14006 AEP	I	1 b1667	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	167	6/2016 Melmore	Tiffin Center	3.6 OH	14006 AEP	I	1 b1667	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	167	6/2016 Tiffin Center	Fremont Center	12.6 OH	14006 AEP	I	1 b1667	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	167	6/2016 Tiffin Center	Fremont Center	12.6 OH	14006 AEP	I	1 b1667	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	167	6/2016 Lincoln	Allen	3.1 OH	14006 AEP	I	1 b1818	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	148	6/2016 Sterling	Allen	3.1 OH	14006 AEP	I	1 b1818	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	167	6/2016 Milan	Allen	3.1 OH	14006 AEP	I	1 b1818	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	167	6/2016 Timber Switch	Allen	3.1 OH	14006 AEP	I	1 b1818	Planned	Reliability	Economics / Congestion
2014 PJM	AC	300-399	300-399	1409	6/2016 Robison Park	Sorenson	20.9 OH	14006 AEP	I	1 b1819	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	205	6/2016 West Bellaire	Brues	4.9 OH	14006 AEP	I	1 b1864.2	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	251	6/2016 Bradley	Tower 117	9.1 OH	14006 AEP	I	1 b1875	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	296	12/2017 Tower 117	McClung	18 OH	14006 AEP	I	1 b1875	Planned	Reliability	Economics / Congestion
2014 PJM	AC	300-399	300-399	1219	8/2015 Conesville	Ohio Central	1.9 OH	14006 AEP	I	1 b2018	Under Constructor	Reliability	Economics / Congestion
2014 PJM	AC	300-399	300-399	1219	8/2015 Bixby	Ohio Central	1.9 OH	14006 AEP	I	1 b2018	Under Constructor	Reliability	Economics / Congestion
2014 PJM	AC	300-399	300-399	1409	6/2016 Vassell	Corridor	8 OH	14006 AEP	I	1 s0251	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	338	6/2016 Vassell	Delaware	17.4 OH	14006 AEP	I	1 s0251	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	323	6/2016 I. U. Purdue	Robison Park	4 OH	14006 AEP	I	1 s0353	Planned	Reliability	Economics / Congestion

2014 PJM	AC	121-150	121-150	323	6/2016 I. U. Purdue	Spy Run	2.5 OH	14006 AEP	I	1 s0353	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	138	350	6/2018 Structure 415	New Station	3.75 OH	AEP	I	1 b2344.2	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	138	350	6/2018 New Station	Marcellus	1.95 OH	AEP	I	1 b2344.3	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	138	350	6/2018 Structure 434	Marcellus	2.35 OH	AEP	I	1 b2344.4	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	138	350	6/2018 Hogan	Mullin	3 OH	AEP	I	1 b2410	Planned	Reliability	Economics / Congestion
2014 PJM	AC	300-399	345	900	6/2018 Sorenson	East Lima	32 OH	AEP	I	1 n3460	Planned	Reliability	Economics / Congestion
2014 PJM	AC	200-299	200-299	525	6/2017 Conastone	Graceton	8.6 OH	4172 BGE	I	1 b0497	Planned	Reliability	Economics / Congestion
2014 PJM	AC	100-120	100-120	262	6/2016 Westport	Wilkins Ave	3 UG	4172 BGE	I	1 TO152	Planned	Reliability	Economics / Congestion
2014 PJM	AC	200-299	200-299	525	6/2017 Graceton	Raphael Rd.	3 OH	4172 BGE	I	1 b1251	Planned	Reliability	Economics / Congestion
2014 PJM	AC	100-120	115	200	6/2017 Raphael Road	Joppatowne	3 UG	BGE	I	1 b2307	Planned	Reliability	Economics / Congestion
2014 PJM	AC	100-120	115	180	6/2018 Bestgate Tap	Waugh Chapel	3 UG	BGE	I	1 b2308	Planned	Reliability	Economics / Congestion
2014 PJM	AC	300-399	300-399	969	6/2017 Byron	Wayne	57 OH	ComEd	I	1 b2141/n1606	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	220	6/2018 West Milton	Eldean	18 OH	4922 Dayton	I	1 b1572	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	220	6/2016 Jay	Fort Recovery	11 OH	4922 Dayton	I	1 s0326	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	223	12/2018 Plum	Universal	7.3 OH	5487 DLCO	I	1 toi1340.2	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150		6/2016 Elrama	Dravosburg	-9.74 OH	5487 DLCO	I	1 b2174.7	Planned	Reliability	Economics / Congestion
2014 PJM	AC	300-399	300-399	540	6/2016 Brunot Island	Carson	9 UG	5487 DLCO	I	1 b0502	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	320	6/2016 Wye Mills	Church	7 OH	DPL	I	1 b0879	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	320	6/2018 Wye Mills	Easton	4 OH	DPL	I	1 toi355	Planned	Reliability	Economics / Congestion
2014 PJM	AC	200-299	200-299	560	6/2016 W3-032A	Cartanza	2.5 OH	DPL	I	1 n3405	Planned	Fossil-Fired In Reliability	
2014 PJM	AC	121-150	138	350	6/2019 Vienna	Loretto	17 OH	DPL	I	1 b0750	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	138	350	6/2019 Loretto	Piney Grove	8 OH	DPL	I	1 b0750	Planned	Reliability	Economics / Congestion
2014 PJM	AC	200-299	230	650	6/2019 Vienna	Steele	25 OH	DPL	I	1 b0877	Planned	Reliability	Economics / Congestion
2014 PJM	AC	200-299	230	650	6/2016 Jenkins	Stanton	14 OH	PL	I	1 b0910	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	138	350	6/2018 Piney Grove	Wattsville	8 OH	DPL	I	1 b2288	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	360	6/2016 Buckhannon	Weston	4 OH	FE(AP)	I	1 b1840	Planned	Reliability	Reliability
2014 PJM	AC	121-150	121-150	360	6/2016 McDowell	Campbell	5.5 OH	FE(AP)	I	1 b2124.4	Planned	Reliability	Reliability
2014 PJM	AC	121-150	121-150	360	6/2016 Kiesters	Campbell	7.5 OH	FE(AP)	I	1 b2124.5	Planned	Reliability	Reliability
2014 PJM	AC	121-150	121-150	232/281	6/2021 Barberton	South Akron	8.1 OH	FE(ATSI)	I	1 Can't confirm	Conceptual	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	278/338	6/2020 Broadview	Clark	5 OH	FE(ATSI)	I	1 Can't confirm	Conceptual	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	160/192	6/2020 Broadview	East Springfield	3.5 OH	FE(ATSI)	I	1 Can't confirm	Conceptual	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	160/192	6/2020 Broadview	Tangy	3.5 OH	FE(ATSI)	I	1 Can't confirm	Conceptual	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	278/338	6/2020 Broadview	Urbana	5 OH	FE(ATSI)	I	1 Can't confirm	Conceptual	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	151/166	6/2021 Midway	Wauseon	-3.08 OH	FE(ATSI)	I	1 Can't confirm	Conceptual	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	151/166	6/2021 Napoleon	Richland	-3.08 OH	FE(ATSI)	I	1 Can't confirm	Conceptual	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150	151/166	6/2021 Richland	Stryker	-3.08 OH	FE(ATSI)	I	1 Can't confirm	Conceptual	Reliability	Economics / Congestion
2014 PJM	AC	300-399	300-399		8/2015 Niles	Highland	4.8 OH	FE(ATSI)	I	1 b1934.1	Under Constructor	Reliability	Economics / Congestion
2014 PJM	AC	300-399	300-399		8/2015 Niles	Shenango	19 OH	FE(ATSI)	I	1 b1934.1	Under Constructor	Reliability	Economics / Congestion
2014 PJM	AC	300-399	300-399		8/2015 Allen Junction	Midway	24 OH	FE(ATSI)	I	1 b1936	Under Constructor	Reliability	Economics / Congestion
2014 PJM	AC	300-399	300-399		8/2015 Midway	Lemoyne	24 OH	FE(ATSI)	I	1 b1936	Under Constructor	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150		6/2018 West Fremont	Groton	19 OH	FE(ATSI)	I	1 b1959	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150		6/2018 Groton	Hayes	9 OH	FE(ATSI)	I	1 b1959	Planned	Reliability	Economics / Congestion
2014 PJM	AC	300-399	345	900	8/2015 Mansfield	Northfield	32 OH	FE(ATSI)	I	1 b1924	Under Constructor	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150		8/2015 Toronto	Sammis	6 OH	FE(ATSI)	I	1 b1977	Under Constructor	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150		8/2015 Toronto	South Akron	64.9 OH	FE(ATSI)	I	1 b1977	Under Constructor	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150		8/2015 Toronto	Boardman	40.2 OH	FE(ATSI)	I	1 b1977	Under Constructor	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150		8/2015 Toronto	Lowellville	51.2 OH	FE(ATSI)	I	1 b1977	Under Constructor	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150		6/2016 Holloway (AEP)	Brookside	92 OH	FE(ATSI)	I	1 b2019	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150		6/2016 Holloway (AEP)	Longview	93 OH	FE(ATSI)	I	1 b2019	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150		6/2016 Holloway (AEP)	Harmon #1	69 OH	FE(ATSI)	I	1 b2019	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150		6/2016 Holloway (AEP)	Harmon #2	69 OH	FE(ATSI)	I	1 b2019	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150		6/2016 Holloway (AEP)	Cloverdale	72 OH	FE(ATSI)	I	1 b2019	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150		6/2016 Holloway (AEP)	Knox	66 OH	FE(ATSI)	I	1 b2019	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150		6/2016 Holloway (AEP)	Burger #1	3 OH	FE(ATSI)	I	1 b2019	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150		6/2016 Holloway (AEP)	Burger #2	3 OH	FE(ATSI)	I	1 b2019	Planned	Reliability	Economics / Congestion
2014 PJM	AC	300-399	300-399		6/2016 Avon	Lake Avenue #1	8.36 OH	FE(ATSI)	I	1 Can't confirm	Planned	Reliability	Economics / Congestion
2014 PJM	AC	300-399	300-399		6/2016 Avon	Lake Avenue #2	8.36 OH	FE(ATSI)	I	1 Can't confirm	Planned	Reliability	Economics / Congestion
2014 PJM	AC	300-399	300-399		6/2016 Lake Avenue	Beaver #1	7.93 OH	FE(ATSI)	I	1 Can't confirm	Planned	Reliability	Economics / Congestion
2014 PJM	AC	300-399	300-399		6/2016 Lake Avenue	Beaver #2	7.93 OH	FE(ATSI)	I	1 Can't confirm	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150		6/2016 Black River	Lake Avenue #1	3.04 OH	FE(ATSI)	I	1 Can't confirm	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150		6/2016 Black River	Lake Avenue #2	3.04 OH	FE(ATSI)	I	1 Can't confirm	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150		6/2016 Lake Avenue	Johnson #1	1.65 OH	FE(ATSI)	I	1 Can't confirm	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150		6/2016 Lake Avenue	Johnson #2	1.65 OH	FE(ATSI)	I	1 Can't confirm	Planned	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150		6/2015 Dowling	Chrysler	3.3 OH	FE(ATSI)	I	1 b1927	Under Constructor	Reliability	Economics / Congestion
2014 PJM	AC	121-150	121-150		6/2015 Dowling	Levis Park	3.3 OH	FE(ATSI)	I	1 b1927	Under Constructor	Reliability	Economics / Congestion
2014 PJM	AC	200-299	230	650	6/2017 Whippany	Montville	6.4 OH	FE(JC)	I	1 b2003	Planned	Reliability	Economics / Congestion
2014 PJM	AC	200-299	230	650	6/2017 Larrabee	Oceanview	16.2 OH	FE(JC)	I	1 b2015	Planned	Reliability	Economics / Congestion
2014 PJM	AC	100-120	115	200	8/2015 Englishtown	Wyckoff	13 OH	FE(JC)	I	1 b1674	Under Constructor	Reliability	Economics / Congestion
2014 PJM	AC	200-299	230	709	6/2017 NJT Aberdeen	NJT Red Bank	10.1 OH	FE(JC)	I	1 b1690	Planned	Reliability	Economics / Congestion
2014 PJM	AC	100-120	100-120		6/2016 W3-099	Erie East	2.6 OH	FE(Penelec)	I	1 n3343	Planned	Variable/Renewable Reliability	
2014 PJM	AC	100-120	115	200	6/2018 Central City West	Bedford North	18 OH	FE(Penelec)	I	1 b2450	Planned	Reliability	Economics / Congestion
2014 PJM	AC	200-299	200-299	398	6/2018 Chichester	Linwood	2 OH	14940 PECO	I	1 b1900	Planned	Reliability	Economics / Congestion
2014 PJM	AC	200-299	200-299		6/2016 Buzzard Point	Ritchie	10.83 OH	PEPCO	I	1 b1125	Planned	Reliability	Economics / Congestion
2014 PJM	AC	400-599	400-599	3005	8/2015 Susquehanna	Roseland	146 OH	PL	I	1 b0487	Under Constructor	Reliability	Economics / Congestion
2014 PJM	AC	200-299	200-299	648	11/2017 West Pocono	North Pocono	10.6 OH	PL	I	1 b1813.3	Planned	Reliability	Economics / Congestion
2014 PJM	AC	200-299	200-299	648	6/2016 Jenkins	West Pocono	14.7 OH	PL	I	1 b1813.6	Planned	Reliability	Economics / Congestion
2014 PJM	AC	200-299	200-299	648	11/2016 Paupack	North Pocono	21.9 OH	PL	I	1 b1813.8	Planned	Reliability	Economics / Congestion

2014	PJM	AC	121-150	121-150		6/2018	Essex	Kearny	2	OH	PSEG	I	1	b1589	Planned	Reliability	Economics / Congestion	
2014	PJM	AC	200-299	200-299		8/2015	Hudson	Kearny	2	OH	PSEG	I	1	b1304.1	Under Constructior	Reliability	Economics / Congestion	
2014	PJM	AC	200-299	200-299		8/2015	Hudson	Kearny	2	OH	PSEG	I	1	b1304.1	Under Constructior	Reliability	Economics / Congestion	
2014	PJM	AC	200-299	200-299		8/2015	Roseland	Kearny	21.9	OH	PSEG	I	1	b1304.1	Under Constructior	Reliability	Economics / Congestion	
2014	PJM	AC	200-299	200-299		8/2015	Roseland	Kearny	21.9	OH	PSEG	I	1	b1304.1	Under Constructior	Reliability	Economics / Congestion	
2014	PJM	AC	200-299	200-299		8/2015	Bergen	Athenia	10	UG	PSEG	I	1	b1304.3	Under Constructior	Reliability	Economics / Congestion	
2014	PJM	AC	200-299	200-299		8/2015	Hudson	South Waterfront	8	UG	PSEG	I	1	b1304.4/n1142	Under Constructior	Reliability	Economics / Congestion	
2014	PJM	AC	200-299	200-299		6/2015	Mickleton	Gloucester	9	OH	PSEG	I	1	b1398.3	Planned	Reliability	Economics / Congestion	
2014	PJM	AC	200-299	200-299		6/2016	Cox's Corner	Lumberton	4.3	OH	PSEG	I	1	b1787	Planned	Reliability	Economics / Congestion	
2014	PJM	AC	200-299	200-299		8/2015	Athenia	Bergen	10	UG	PSEG	I	1	n1035	Under Constructior	Reliability	Reliability	
2014	PJM	AC	200-299		230	650	6/2016	Sewaren	Metuchen	14	OH	PSEG	I	1	b2276.1	Planned	Reliability	Economics / Congestion
2014	PJM	AC	200-299		230	650	6/2016	Sewaren	Metuchen	14	OH	PSEG	I	1	b2276.1	Planned	Reliability	Economics / Congestion
2014	PJM	AC	300-399		345	900	6/2018	North Ave	Bayway	6	OH	PSEG	I	1	b2436.60	Planned	Reliability	Economics / Congestion
2014	PJM	AC	300-399		345	900	6/2018	Airport	Bayway	3	OH	PSEG	I	1	b2436.70	Planned	Reliability	Economics / Congestion
2014	PJM	AC	300-399		345	900	6/2017	Linden "Z"	Bayway	2	OH	PSEG	I	1	b2436.83	Planned	Reliability	Economics / Congestion
2014	PJM	AC	200-299		230	650	8/2015	Aldene	Springfield Road	8	OH	PSEG	I	1	b1399	Under Constructior	Reliability	Economics / Congestion
2014	PJM	AC	200-299		230	650	8/2015	Springfield Road	West Orange	7	OH	PSEG	I	1	b1399	Under Constructior	Reliability	Economics / Congestion
2014	PJM	AC	200-299		230	650	8/2015	Mickleton	Gloucester	11	OH	PSEG	I	1	b1398.3	Under Constructior	Reliability	Economics / Congestion
2014	PJM	AC	200-299		230	650	8/2016	Gloucester	Camden	6	OH	PSEG	I	1	b1398	Under Constructior	Reliability	Economics / Congestion
2014	PJM	AC	121-150	121-150		236	6/2019	West Nyack	Harings Corner	0.26	OH	14154 RECO	I	1	Can't confirm	Conceptual	Reliability	Reliability
2014	PJM	AC	200-299		230	650	8/2015	Brambleton	BECO	11	OH	Dominion	I	1	b1503.2	Under Constructior	Reliability	Economics / Congestion
2014	PJM	AC	200-299		230	650	8/2015	Cannon Branch	Cloverhill	12	OH	Dominion	I	1	b1332.1	Under Constructior	Reliability	Economics / Congestion
2014	PJM	AC	200-299		230	650	8/2015	Cloverhill	Liberty	12	OH	Dominion	I	1	b1332.1	Under Constructior	Reliability	Economics / Congestion
2014	PJM	AC	200-299		230	650	8/2015	Shawboro	Aydlett	12	OH	Dominion	I	1	b1331	Under Constructior	Reliability	Economics / Congestion
2014	PJM	AC	200-299		230	650	7/2015	Trowbridge	Winfall	13	OH	Dominion	I	1	b1315	Under Constructior	Reliability	Economics / Congestion
2014	PJM	AC	200-299		230	1047	6/2016	Dooms	Lexington	39	OH	Dominion	I	1	b2360	Planned	Reliability	Economics / Congestion
2014	PJM	AC	200-299		230	1047	6/2017	DTR	Scott's Run	4.5	OH	Dominion	I	1	b2361	Planned	Reliability	Economics / Congestion
2014	PJM	AC	400-599		500	3450	6/2018	Loudon	Brambleton	4.8	OH	Dominion	I	1	b2373	Planned	Reliability	Economics / Congestion
2014	PJM	AC	200-299		230	800	6/2018	Glebe	Station C	2	OH	Dominion	I	1	b2443	Planned	Reliability	Economics / Congestion
2014	PJM	AC	400-599		500	3450	1/2024	North Anna	Ladysmith	14.5	OH	Dominion	I	1	n0718.1	Planned	Reliability	Economics / Congestion
2014	PJM	AC	400-599		500	3450	6/2016	Heritage	Rawlings	14	OH	Dominion	I	1	n3290	Planned	Reliability	Economics / Congestion
2014	PJM	AC	100-120		115	231	6/2016	Staunton	Trimbles Mill	1.1	OH	Dominion	I	1	s0617	Planned	Reliability	Economics / Congestion
2014	PJM	AC	100-120		115	231	6/2016	Craigsville	Trimbles Mill	1.1	OH	Dominion	I	1	s0617	Planned	Reliability	Economics / Congestion
2014	PJM	AC	100-120		115	231	6/2016	Columbia	Cartersville	1.5	OH	Dominion	I	1	s0623	Planned	Reliability	Economics / Congestion
2014	PJM	AC	100-120		115	231	6/2016	Columbia	Bremo	1.5	OH	Dominion	I	1	s0623	Planned	Reliability	Economics / Congestion
2014	PJM	AC	100-120		115	231	6/2016	Redhouse	Pamplin	2.6	OH	Dominion	I	1	s0625	Planned	Reliability	Economics / Congestion
2014	PJM	AC	100-120		115	231	6/2016	Redhouse	Farmville	2.6	OH	Dominion	I	1	s0625	Planned	Reliability	Economics / Congestion
2014	PJM	AC	151-199		161	400	6/2018	Summer Shade EKPC	Summer Shade	2	OH	EKPC	I	1	b2414	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2016	Upper Pittsgrove	Lewis	41	OH	AE	I	1	b2480.1	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2016	Monroe	Landis	11.5	OH	AE	I	1	b2480.2	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2016	Landis	Lewis	31	OH	AE	I	1	b2480.3	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2016	Cardiff	Lewis	5	OH	AE	I	1	b2481	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2016	Yager	Azalea	11	OH	AEP	I	1	b2501.2	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Brookside	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Harmon	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Harmon	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4	Planned	Reliability	Economics / Congestion
2014	PJM	AC	121-150		138	400	6/2017	Nottingham	Holloway	0.1	OH	AEP	I	1	b2501.4			

2014 PJM	AC	100-120	115	350	4/2016 Kerr Dam	Ridge Road	1.9 OH		Dominion	I	1 s0751.2	Planned	Reliability	Economics / Congestion	
2014 PJM	AC	121-150	138	400	12/2016 Potter	Valley	0.1 OH		DUQ	I	1 s0670	Planned	Reliability	Economics / Congestion	
2014 PJM	AC	121-150	138	400	12/2016 Potter	Raccoon	0.1 OH		DUQ	I	1 s0670	Planned	Reliability	Economics / Congestion	
2014 PJM	AC	121-150	138	400	12/2016 Oak Mound	Waldo Run	24 OH		FE(AP)	I	1 b2475	Planned	Reliability	Economics / Congestion	
2014 PJM	AC	121-150	138	400	6/2016 Shuman Hill	Fairview	20.2 OH		FE(AP)	I	1 b2545.1	Planned	Reliability	Economics / Congestion	
2014 PJM	AC	121-150	138	400	6/2016 Shuman Hill	Willow Island	40.9 OH		FE(AP)	I	1 b2545.1	Planned	Reliability	Economics / Congestion	
2014 PJM	AC	121-150	138	400	2/2016 Imperial	Hillman	4.3 OH		FE(AP)	I	1 b2547.2	Planned	Reliability	Economics / Congestion	
2014 PJM	AC	121-150	138	400	12/2017 Gula	Cecil	0.1 OH		FE(AP)	I	1 s0786	Planned	Reliability	Economics / Congestion	
2014 PJM	AC	121-150	138	400	12/2017 Gula	Windsor	0.1 OH		FE(AP)	I	1 s0786	Planned	Reliability	Economics / Congestion	
2014 PJM	AC	300-399	345	1500	6/2016 Lake Avenue	Avon	0.1 OH		FE(ATSI)	I	1 s0663	Planned	Reliability	Economics / Congestion	
2014 PJM	AC	300-399	345	1500	6/2016 Lake Avenue	Beaver	0.1 OH		FE(ATSI)	I	1 s0663	Planned	Reliability	Economics / Congestion	
2014 PJM	AC	300-399	345	1500	6/2016 Lake Avenue	Black River	0.1 OH		FE(ATSI)	I	1 s0663	Planned	Reliability	Economics / Congestion	
2014 PJM	AC	300-399	345	1500	6/2016 Lake Avenue	Johnson	0.1 OH		FE(ATSI)	I	1 s0663	Planned	Reliability	Economics / Congestion	
2014 PJM	AC	300-399	345	1500	6/2016 Lake Avenue	Avon	0.1 OH		FE(ATSI)	I	1 s0663	Planned	Reliability	Economics / Congestion	
2014 PJM	AC	300-399	345	1500	6/2016 Lake Avenue	Beaver	0.1 OH		FE(ATSI)	I	1 s0663	Planned	Reliability	Economics / Congestion	
2014 PJM	AC	300-399	345	1500	6/2016 Lake Avenue	Black River	0.1 OH		FE(ATSI)	I	1 s0663	Planned	Reliability	Economics / Congestion	
2014 PJM	AC	300-399	345	1500	6/2016 Lake Avenue	Johnson	0.1 OH		FE(ATSI)	I	1 s0663	Planned	Reliability	Economics / Congestion	
2014 PJM	AC	200-299	230	500	12/2021 Mt. Vernon	Takoma	6 UG		PEPCO	I	1 s0839	Planned	Reliability	Economics / Congestion	
2014 PJM	AC	200-299	230	500	12/2021 Mt. Vernon	Takoma	6 UG		PEPCO	I	1 s0839	Planned	Reliability	Economics / Congestion	
2014 PJM	AC	200-299	230	500	12/2021 Mt. Vernon	Takoma	6 UG		PEPCO	I	1 s0839	Planned	Reliability	Economics / Congestion	
2014 PJM	AC	200-299	230	500	12/2020 New Harvard	Takoma	0.1 UG		PEPCO	I	1 s0840	Planned	Reliability	Economics / Congestion	
2014 PJM	AC	200-299	230	500	12/2020 New Harvard	Mt. Vernon	0.1 UG		PEPCO	I	1 s0840	Planned	Reliability	Economics / Congestion	
2014 PJM	AC	200-299	230	500	12/2020 New Harvard	Takoma	0.1 UG		PEPCO	I	1 s0840	Planned	Reliability	Economics / Congestion	
2014 PJM	AC	200-299	230	500	12/2020 New Harvard	Mt. Vernon	0.1 UG		PEPCO	I	1 s0840	Planned	Reliability	Economics / Congestion	
2014 PJM	AC	121-150	138	400	12/2017 New Harrison	Bethesda	0.1 OH		PEPCO	I	1 s0841	Planned	Reliability	Economics / Congestion	
2014 PJM	AC	121-150	138	400	12/2017 New Harrison	Van Ness	0.1 OH		PEPCO	I	1 s0841	Planned	Reliability	Economics / Congestion	
2014 SERC-E	AC	100-120	115	797	7/2016 Bucksville	Garden City	15 OH	17543	South Carolir F		1 Bucksville-Garden C	Under Constructor	Reliability		
2014 SERC-E	AC	100-120	115	240	12/2016 Bucksville	Myrtle Beach	12.5 OH	17543	South Carolir F		1 Bucksville-Myrtle Be	Planned	Reliability		
2014 SERC-E	AC	100-120	115	352	12/2016 Cainhoy	Hamlin Tap	2 OH	17539	South Carolir I		1 Cainhoy-Hamlin 115	Planned	Reliability		
2014 SERC-E	AC	100-120	115	240	5/2016 Carnes	Medway	2.9 OH	17543	South Carolir F		1 Carnes to Medway 2	Planned	Reliability		
2014 SERC-E	AC	100-120	115	237	12/2017 Faber Place	Hagood	5 OH	17539	South Carolir I		1 Faber Place - Hagoo	Planned	Reliability		
2014 SERC-E	AC	100-120	115	180	12/2017 Kendrick/Rosewood	Gills Creek	3 OH	17539	South Carolir I		1 Gills Creek 115 kV Li	Under Constructor	Reliability		
2014 SERC-E	AC	100-120	115	176	5/2016 Thomas Island	Jack Primus	3 OH	17539	South Carolir I		1 Jack Primus 115 kV I	Planned	Reliability		
2014 SERC-E	AC	200-299	230	948	4/2016 Lake Murray	Saluda River	6 OH	17539	South Carolir I		1 Lake Murray - Salud	Under Constructor	Reliability		
2014 SERC-E	AC	100-120	115	176	12/2015 Yemassee/Burton	Laurel Bay	2 OH	17539	South Carolir I		1 Laurel Bay 115 kV Ili	Under Constructor	Reliability		
2014 SERC-E	AC	200-299	230	850	6/2016 Riverview Sw Sta	Peach Valley Tie	20 OH	5416	Duke Energy I		1 London Creek 230 k	Planned	Reliability		
2014 SERC-E	AC	200-299	230	948	5/2015 Lyles	Saluda River	4 OH	17539	South Carolir I		1 Lyles - Saluda River	Under Constructor	Reliability		
2014 SERC-E	AC	200-299	230	956	12/2018 Marion	Red Bluff	47 OH	17543	South Carolir F		1 Marion - Red Bluff 2	Planned	Reliability		
2014 SERC-E	AC	100-120	115	240	5/2016 Medway	Jefferies	15 OH	17543	South Carolir F		1 Medway to Jefferies	Planned	Reliability		
2014 SERC-E	AC	200-299	230	948	5/2016 Pepperhill	Summerville	8 OH	17539	South Carolir I		1 Pepperhill-Summen	Planned	Reliability		
2014 SERC-E	AC	100-120	115	240	6/2017 Perry Road	Myrtle Beach	5.5 OH	17543	South Carolir F		1 Perry Road-Myrtle B	Planned	Reliability		
2014 SERC-E	AC	200-299	230	956	5/2017 Pomaria	Sandy Run	55 OH	17543	South Carolir F		1 Pomaria-Sandy Run	Under Constructor	Nuclear Integri	Reliability	
2014 SERC-E	AC	200-299	230	956	6/2015 Purrysburg	McIntosh	5 OH	17543	South Carolir F		1 Purrysburg-McIntos	Under Constructor	Reliability		
2014 SERC-E	AC	200-299	230	956	7/2016 Richburg	Flat Creek	32 OH	17543	South Carolir F		1 Richburg-Flat Creek	Under Constructor	Nuclear Integri	Reliability	
2014 SERC-E	AC	200-299	230	1195	6/2018 Richmond	Ft. Bragg Woodruff St Subst:	6 OH	3046	Duke Energy I		1 Richmond - Ft. Brag	Planned	Reliability		
2014 SERC-E	AC	200-299	230	956	5/2017 Sandy Run	Orangeburg	34 OH	17543	South Carolir F		1 Sandy Run-Orangeb	Under Constructor	Nuclear Integri	Reliability	
2014 SERC-E	AC	200-299	230	948	12/2018 VC Summer #2	St. George	98 OH	17539	South Carolir I		1 VC Summer #2-St. G	Under Constructor	Nuclear Integration		
2014 SERC-E	AC	200-299	230	956	4/2015 Winnsboro	Richburg	27 OH	17543	South Carolir F		1 Winnsboro-Richburg	Under Constructor	Nuclear Integri	Reliability	
2014 SERC-E	AC	200-299	230	956	6/2015 Winyah	Bucksville	32 OH	17543	South Carolir F		1 Winyah-Bucksville	Under Constructor	Reliability		
2014 SERC-N	AC	151-199	161	421	12/2023 5SHELBY MEM2	5BOLEN HUSE	10 OH	18642	Tennessee V2 F		1 75 Cut In (MLGW)	Planned	Reliability	Other	
2014 SERC-N	AC	151-199	161	421	12/2023 5NE GATE 33	5BOLEN HUSE	6.3 OH	18642	Tennessee V2 F		1 75 Cut In (MLGW)	Planned	Reliability	Other	
2014 SERC-N	AC	151-199	161	334	12/2022 5COLL-GATE86	5S COLLIERVL 83	6.36 OH	18642	Tennessee V2 F		1 83 Cut In (MLGW)	Planned	Reliability	Other	
2014 SERC-N	AC	151-199	161	334	12/2022 5SHELTON 79	5S COLLIERVL 83	4.84 OH	18642	Tennessee V2 F		1 83 Cut In (MLGW)	Planned	Reliability	Other	
2014 SERC-N	AC	151-199	161	223	12/2015 5FREEPORT #2	5MENDENHAL 89	11.1 OH	18642	Tennessee V2 F		1 89 Cut In (MLGW)	Planned	Reliability	Other	
2014 SERC-N	AC	151-199	161	223	12/2015 5CLARKE RD71	5MENDENHAL 89	1.2 OH	18642	Tennessee V2 F		1 89 Cut In (MLGW)	Planned	Reliability	Other	
2014 SERC-N	AC	151-199	161	532	6/2025 Battlefield	Craighead	1.37 OH	18642	Tennessee V2 F		1 Battlefield (NES)	Conceptual	Reliability	Other	
2014 SERC-N	AC	151-199	161	532	6/2025 Battlefield	Sharondale	2.67 OH	18642	Tennessee V2 F		1 Battlefield (NES)	Conceptual	Reliability	Other	
2014 SERC-N	AC	151-199	161	299	6/2015 Bluff City	Elizabethon	11.1 OH	18642	Tennessee V2 F		1 Bluff City-Elizabethc	Conceptual	Reliability		
2014 SERC-N	AC	151-199	161	286	6/2019 Carthage	Philbert	4 OH	924	Associated El C		1 Carthage-Philbert	Conceptual	Reliability		
2014 SERC-N	AC	300-399	345	1369	6/2016 Franks	Barnett	50 OH	924	Associated El C		1 Franks-Barnett	Conceptual	Reliability		
2014 SERC-N	AC	100-120	115		12/2017 Fuller	Swamp Creek	10 OH	18642	Tennessee V2 F		1 Fuller-Swamp Creek	Conceptual	Reliability		
2014 SERC-N	AC	151-199	161	286	6/2019 Jasper	Philbert	16.7 OH	924	Associated El C		1 Jasper-Philbert	Conceptual	Reliability		
2014 SERC-N	AC	151-199	161	286	6/2015 Kingdom City	Mexico North	20 OH	924	Associated El C		1 Kingdom City-Mexic	Conceptual	Reliability		
2014 SERC-N	AC	151-199	161	286	11/2016 Maries	Rolla North Wye	20.76 OH	924	Associated El C		1 Maries-Rolla North	Planned	Reliability		
2014 SERC-N	AC	121-150	138	245	6/2015 Oak Ridge	Longtown	10 OH	924	Associated El C		1 Oak Ridge-Longtow	Conceptual	Reliability		
2014 SERC-N	AC	151-199	161	286	11/2015 Rogersville	Holman	7 OH	924	Associated El C		1 Rogersville-Holman	Under Constructor	Reliability		
2014 SERC-N	AC	151-199	161	299	6/2017 Selmer	W. Adamsville	15 OH	18642	Tennessee V2 F		1 Selmer-W. Adamsvil	Conceptual	Reliability		
2014 SERC-N	AC	151-199	161	334	6/2015 Spring Creek	Nance	2.01 OH	18642	Tennessee V2 F		1 Spring Creek-Nance	Conceptual	Fossil-Fired Integration		
2014 SERC-N	AC	151-199	161	286	6/2015 Stella	Cassville	15 OH	924	Associated El C		1 Stella-Cassville	Planned	Reliability		
2014 SERC-N	AC	121-150	138	245	5/2015 Stroud	Warwick	12 OH	924	Associated El C		1 Stroud-Warwick	Under Constructor	Reliability		
2014 SERC-N	AC	151-199	161	286	6/2015 Turkey Creek	Warsaw East	7 OH	924	Associated El C		1 Turkey Creek-Warsa	Under Constructor	Reliability		
2014 SERC-N	AC	151-199	161	299	6/2017 Union	Tupelo	16 OH	18642	Tennessee V2 F		1 Union-Tupelo	Conceptual	Fossil-Fired Integration		
2014 SERC-N	AC	151-199	161	450	5/2015 Volunteer	East Knox	13 OH	18642	Tennessee V2 F		1 Volunteer-East Knox	Under Constructor	Reliability		
2014 SERC-N	AC	151-199	161	299	12/2015 Wilson	Oakland	12.37 OH	18642	Tennessee V2 F		1 Wilson-Oakland	Conceptual	Fossil-Fired Integration		
2014 SERC-SE		8 OH AC		1	Big Creek T.S.	AL		I	1 AL	Lynndell D.S. Alabama Pow 195		Big Creek T.S.-Lynn	Planned	Reliability	
2014 SERC-SE		6 OH AC		1	North Brewton TS	AL		I	1 AL	North BrewtcAlabama Pow 195		North Brewton TS-N	Planned	Reliability	

2014 SERC-SE	4 OH	AC	1	Wire Road	AL	I	1 AL	Wire Road To Alabama Pow 195	Wire Road-Wire Ro: Planned	Reliability			
2014 SERC-SE	2 OH	AC	1	North Mobile	AL	I	1 AL	Eight Mile D.: Alabama Pow 195	North Mobile-Eight Planned	Reliability			
2014 SERC-SE	3 OH	AC	1	Barnwell Tap	AL	I	1 AL	Turkey Hill Alabama Pow 195	Barnwell Tap-Turkey Planned	Reliability			
2014 SERC-SE	9 OH	AC	1	Englewood Tap	AL	I	1 AL	North Mounc Alabama Pow 195	Englewood Tap-Nor Planned	Reliability			
2014 SERC-SE	6 OH	AC	1	Moundville	AL	I	1 AL	Colonial Pipe Alabama Pow 195	Moundville-Colonial Planned	Reliability			
2014 SERC-SE	60 OH	AC	1	Vogtle	GA	I	1 GA	Thomson Georgia Powe 7140	Vogtle-Thomson Planned	Nuclear Integration			
2014 SERC-SE	8 OH	AC	1	W. Brunswick	GA	I	1 GA	Altamaha Georgia Powe 7140	McManus - W. Brun Planned	Reliability			
2014 SERC-SE	3 OH	AC	1	Americus	GA	I	1 GA	North Americ Georgia Powe 7140	Americus-North Am Planned	Reliability			
2014 SERC-SE	7 OH	AC	1	Cumming	GA	C	1 GA	Sharon Spring Georgia Tran: 7197	Cumming-Sharon Sp Planned	Reliability			
2014 SERC-SE	12 OH	AC	0	Crisp #2	GA	M	1 GA	Crisp #6 Municipal Ele 13100	Crisp #2-Crisp #6 Conceptual	Reliability	Other		
2014 SERC-SE	5 OH	AC	1	Enterprise	AL	I	1 AL	South Enterp Alabama Pow 195	Enterprise-South En Planned	Reliability			
2014 SERC-SE	7 OH	AC	1	Co Line Rd	AL	I	1 AL	ECI Prattville Alabama Pow 195	Co Line Rd-ECI Pratt Planned	Reliability			
2014 SERC-SE	17 OH	AC	1	North Brewton TS	AL	I	1 AL	Alligator Swa Alabama Pow 195	North Brewton TS-A Planned	Reliability			
2014 SERC-SE	4.05 OH	AC	1	Cairo # 1	GA	M	1 GA	Brumbley Cre Municipal Ele 13100	Cairo #1 to Brumble Under Constructior	Reliability			
2014 SERC-SE	2.6 OH	AC	1	Elberton #1	GA	M	1 GA	Elberton #2 Municipal Ele 13100	Elberton #1 to Elber Planned	Reliability			
2014 SERC-SE	1.6 OH	AC	1	Griffin #1	GA	M	1 GA	Griffin #2 Municipal Ele 13100	Griffin #1 to Griffin i Planned	Reliability			
2014 SERC-SE	12 OH	AC	0	Arnold Mill	GA	C	1 GA	Hopewell Georgia Tran: 7197	Arnold Mill - Hopew Planned	Reliability			
2014 SERC-SE	5 OH	AC	1	Dailey Mill	GA	I	1 GA	Flippen Georgia Powe 7140	DaileyMill-Flippen Planned	Reliability			
2014 SERC-SE	3.4 OH	AC	1	South Tuscaloosa	AL	I	1 AL	Alberta SS Alabama Pow 195	SouthTuscaloosa-All Planned	Reliability			
2014 SERC-SE	39 OH	AC	1	NorthBrewton	FL	I	1 FL	AlligatorSwar Gulf Power Cr 7801	NorthBrewton-Allig: Under Constructior	Reliability			
2014 SERC-SE	69 OH	AC	1	Holmes Creek	FL	I	1 FL	Highland City Gulf Power Cr 7801	HolmesCrk-Highlanc Under Constructior	Reliability			
2014 SERC-SE	16 OH	AC	1	Salem	AL	C	1 AL	Bottoms Mill PowerSouth f 189	Salem to Bottoms M Planned	Reliability			
2014 SERC-SE	14 OH	AC	1	Bonifay	FL	C	1 FL	Chipley PowerSouth f 189	Bonifay to Chipley 1 Conceptual	Reliability			
2014 SERC-SE	8 OH	AC	1	Southport	FL	C	1 FL	Bayou Georg PowerSouth f 189	Southport to Bayou Conceptual	Reliability			
2014 SERC-SE	3.5 OH	AC	0	Dailey Mill	GA	C	1 GA	Flippen Georgia Tran: 7197	Dailey Mill - Flippen Planned	Reliability			
2014 SERC-SE	13 OH	AC	0	Danville	GA	C	1 GA	North Dudley Georgia Tran: 7197	Danville - North Duc Planned	Reliability			
2014 SERC-SE	10 OH	AC	0	Mitchell Dam	AL	I	1 AL	Clanton Tap Alabama Pow 195	MitchellDam-Clanto Planned	Reliability			
2014 SERC-SE	34 OH	AC	0	Clay	AL	I	1 AL	Rainbow City Alabama Pow 195	Clay-RainbowCity Planned	Reliability			
2014 SERC-SE	5 OH	AC	0	North Theodore	AL	I	1 AL	Praxiar Tap Alabama Pow 195	NorthTheodore-Pra: Planned	Reliability			
2014 SERC-SE	25 OH	AC	0	South Bessemer	AL	I	1 AL	Holt Alabama Pow 195	SouthBessemer-Hol Planned	Reliability			
2014 SERC-SE	5 OH	AC	1	Dean Forest	GA	I	1 GA	Millhaven An Georgia Powe 7140	Dean Forest-Millhav Planned	Reliability			
2014 SERC-SE	2.54 OH	AC	1	Dalton - Oostanaula 115kV	GA	M	1 GA	New Custom City of Dalton d/b/a Dalton	Dalton-Oostanaula : Planned	Other			
2014 SERC-SE	7 OH	AC	0	Belleville	AL	I	1 AL	North Brewtc Alabama Pow 195	Belleville-North Bre: Planned	Reliability			
2014 SERC-SE	12 OH	AC	1	South Crestview	FL	I	1 FL	Glentap Gulf Power Cr 7801	South Crestview-Gle Planned	Reliability			
2014 SERC-SE	4.7 OH	AC	1	McConnell Road	GA	C	1 GA	South Acwor Georgia Tran: 7197	McConnell Road - Sp Planned	Reliability			
2014 SERC-SE	20 OH	AC	1	Athena	GA	I	1 GA	Bethabara Georgia Powe 7140	Athena - Bethabara Planned	Reliability			
2014 SERC-SE	45 OH	AC	1	Athena	GA	I	1 GA	Russell Georgia Powe 7140	Athena - Russell Planned	Reliability			
2014 SPP	AC 300-399	300-399	1426	6/1/2019	Arcadia 345	Redbud 345	5.0	OH 14063	OGE	100% redbud 345 kV Ckt 3	Planned	Reliability	
2014 SPP	AC 200-299	200-299	541	12/2015	Channing 230 kV	County Interchange 230 kV	52.0	OH 17698	SPS	100% County 230 kV Ckt 1	Planned	Reliability	
2014 SPP	AC 200-299	200-299	541	12/2015	Channing 230 kV	Dallam 230 kV	70.0	OH 17698	SPS	100% g - XIT 230 kV Ckt 1	Planned	Reliability	
2014 SPP	AC 300-399	300-399	1792	3/2018	Chisholm 345 kV	Gracemont 345 kV	72.0	OH 343	AEP	100% t 345 kV Ckt 1 (AEP)	Planned	Reliability	
2014 SPP	AC 300-399	300-399	1792	3/2018	Chisholm 345 kV	Gracemont 345 kV	29.8	OH 14063	OGE	100% : 345 kV Ckt 1 (OGE)	Planned	Reliability	
2014 SPP	AC 300-399	300-399	1792	3/2021	Woodward EHV 345 kV	Tatonga 345 kV	49.0	OH 14063	OGE	100% ict EHV 345 kV Ckt 2	Planned	Reliability	
2014 SPP	AC 300-399	300-399	1792	3/2021	Tatonga 345 kV	Mathewson 345	61.0	OH 14063	OGE	100% atonga 345 kV Ckt 2	Planned	Reliability	
2014 SPP	AC 300-399	300-399	1792	6/2017	Mathewson 345	Cimarron 345	16.0	OH 14063	OGE	100% ewson 345 kV Ckt 2	Planned	Reliability	
2014 SPP	AC 300-399	300-399	1792	3/2018	Elm Creek 345 kV	Summit 345 kV	29.8	OH	ITCGP	100% 345 kV Ckt 1 (ITCGP)	Planned	Reliability	
2014 SPP	AC 300-399	300-399	1792	12/2016	Elm Creek 345 kV	Summit 345 kV	28.5	OH 22500	WR	100% it 345 kV Ckt 1 (WR)	Planned	Reliability	
2014 SPP	AC 300-399	300-399	1792	6/2016	Hoskins 345 kV	Neligh 345 kV	41.0	OH 13337	NPPD	100% Neligh 345 kV Ckt 1	Planned	Reliability	
2014 SPP	AC 300-399	300-399	1792	1/2018	Cherry County 345 kV	Gerald Gentleman Station	110.0	OH 13337	NPPD	100% tleman 345 kV Ckt 1	Planned	Reliability	
2014 SPP	AC 300-399	300-399	1792	1/2018	Cherry County 345 kV	Holt County 345 kV	117.0	OH 13337	NPPD	100% olt Co. 345 kV Ckt 1	Planned	Reliability	
2014 SPP	AC 300-399	300-399	1792	6/2020	Tuco Interchange 345 kV	County Interchange 345 kV	107.0	OH 17698	SPS	100% oakum 345 kV Ckt 1	Planned	Reliability	
2014 SPP	AC 300-399	300-399	1792	6/2020	County Interchange 345 kV	Hobbs Interchange 345 kV	52.0	OH 17698	SPS	100% oakum 345 kV Ckt 1	Planned	Reliability	
2014 SPP	AC 200-299	300-399	797	6/2017	East Manhattan 230 kV	Jeffrey Energy Center 230 kV	30.0	OH 22500	WR	100% !30 kV Ckt 1 Rebuild	Planned	Reliability	
2014 SPP	AC 121-150	121-150	586	6/2019	Viola 138 kV	Energy Center West 138 kV	27.9	OH 22500	WR	100% - Viola 138 kV Ckt 1	Planned	Reliability	
2014 SPP	AC 121-150	121-150	314	6/2020	Sumner County 138 kV	Viola 138 kV	28.0	OH 22500	WR	100% - Viola 138 kV Ckt 1	Planned	Reliability	
2014 SPP	AC 200-299	300-399	541	12/2015	Junction Interchange 230 kV	Road Runner 345 kV	40.4	OH 17698	SPS	100% runner 230 kV Ckt 1	Planned	Reliability	
2014 SPP	AC 100-120	100-120	176	6/2018	Broken Bow Wind	Ord	42.0	OH 13337	NPPD	100% d - Ord 115 kV Ckt 1	Planned	Reliability	
2014 SPP	AC 121-150	121-150	316	12/2016	Darlington Road 138 kV	Roman Nose 138	14.3	OH 343	AEP	100% e 138 kV Ckt 1 (AEP)	Planned	Reliability	
2014 SPP	AC 121-150	121-150	316	12/2016	Darlington Road 138 kV	Roman Nose 138	13.2	OH 14063	OGE	100% : 138 kV Ckt 1 (OGE)	Planned	Reliability	
2014 SPP	AC 300-399	300-399	1792	6/2018	Junction Interchange 345 kV	Hobbs Interchange 345 kV	47.2	OH 17698	SPS	100% - Kiowa 345 kV Ckt 1	Planned	Reliability	
2014 SPP	AC 300-399	300-399	1792	6/2018	iina Draw Substation 345 kV	North Loving Sub 345 kV	18.2	OH 17698	SPS	100% Loving 345 kV Ckt 1	Planned	Reliability	
2014 SPP	AC 300-399	300-399	1792	6/2018	Junction Interchange 345 kV	North Loving Sub 345 kV	20.4	OH 17698	SPS	100% Loving 345 kV Ckt 1	Planned	Reliability	
2014 SPP	AC 300-399	300-399	1195	1/2019	latan 161	Stranger 161 kV	6.5	OH 56211	GMO	100% e Conversion (GMO)	Planned	Reliability	
2014 SPP	AC 300-399	300-399	1195	1/2019	latan 161	Stranger 161 kV	11.6	OH 22500	WR	100% ge Conversion (WR)	Planned	Reliability	
2014 SPP	AC 121-150	121-150	286	4/2023	Lone Oak 138 kV	ogex Wilburton Tap 138 kV	0.3	OH 343	AEP	100% .38 kV Ckt 1 Rebuild	Planned	Reliability	
2014 SPP	AC 121-150	121-150	286	4/2023	ogex Wilburton Tap 138 kV	Sardis 138 kV	22.4	OH 343	AEP	100% .38 kV Ckt 1 Rebuild	Planned	Reliability	
2014 SPP	AC 121-150	121-150	286	4/2023	Sardis 138 kV	Clayton 138 kV	3.8	OH 343	AEP	100% .38 kV Ckt 1 Rebuild	Planned	Reliability	
2014 SPP	AC 121-150	121-150	286	4/2023	Clayton 138 kV	Nashoba 138 kV	11.6	OH 343	AEP	100% .38 kV Ckt 1 Rebuild	Planned	Reliability	
2014 SPP	AC 121-150	121-150	286	4/2023	Nashoba 138 kV	Bethel 138 kV	22.4	OH 343	AEP	100% .38 kV Ckt 1 Rebuild	Planned	Reliability	
2014 SPP	AC 121-150	121-150	286	4/2023	Bethel 138 kV	Broken Bow	16.3	OH 343	AEP	100% .38 kV Ckt 1 Rebuild	Planned	Reliability	
2014 SPP	AC 100-120	100-120	304		Walkemeyer 115 kV	New Sub	0.5	OH 17698	SPS	100% p 115 kV Ckt 1 (SPS)	Planned	Reliability	
2014 SPP	AC 100-120	100-120	304		Walkemeyer 115 kV	New Sub	0.5	OH	SEPC	100% 115 kV Ckt 1 (SEPC)	Planned	Reliability	
2014 SPP	AC 100-120	100-120	304	6/2019	North Liberal 115 kV	Walkemeyer 115 kV	21.0	OH	TBD	TBD :meyer 115 kV Ckt 1	Planned	Reliability	
2014 TRE-ERCOT AC	121-150	138	478	5/2016	Apollo	Firewheel	4.1	OH 6958	GARLAND M	GP&L	Lookout 138 kV new Planned	Reliability	Economics / Congestion
2014 TRE-ERCOT AC	121-150	138		9/2019		32853	32852	10	OH 2442	BTU M	BRYN_4576_Annex Planned	Reliability	Other
2014 TRE-ERCOT AC	300-399	345	2992.5	5/2018	Limestone	Gibbons Creek	70	OH N/A	CTT I		0.5 Add new 345kV Lim Planned	Reliability	Economics / Congestion
2014 TRE-ERCOT AC	121-150	138		12/2015	Frisco	Krugerville	12	OH 2172	BEPC C		Frisco to Krugerville Under Constructior	Reliability	Reliability

2014 TRE-ERCOT AC	121-150	138		5/2017 Zenith	Katy	6.4 OH	8901 CNP	I	1 Katy Area Upgrades Planned	Reliability	Other
2014 TRE-ERCOT AC	121-150	138	838	6/2015 MARINE	Surfside/Quintana	1.5 OH	8901 CNP	I	1 MARINE 138kV Subs Planned	Other	
2014 TRE-ERCOT AC	300-399	345	3147	5/2018 Gibbons Creek	Zenith	63 OH	8901 CNP	I	1 Brazos Valley Conne Planned	Reliability	Economics / Congestion
2014 TRE-ERCOT AC	121-150	138	838	5/2016 Tanner	Addicks/Satsuma	1.9 OH	8901 CNP	I	1 Tanner 138kV Subst Planned	Other	
2014 TRE-ERCOT AC	300-399	345		6/2016 Hill Country	Skyline	11 OH	16604 CPS	M	1 Hill Country to Skyli Planned	Reliability	
2014 TRE-ERCOT AC	121-150	138		6/2016 VH Braunig	Grandview	2.1 OH	16604 CPS	M	1 VH Braunig - Grandv Planned	Reliability	
2014 TRE-ERCOT AC	121-150	138		6/2021 Masterson Rd.	Cagnon-Howard	20 OH	16604 CPS	M	1 Masterson Rd - New Planned	Other	
2014 TRE-ERCOT AC	121-150	138		3/2015 Green Mountain	Stonegate	11.5 OH	16604 CPS	M	1 Green Mountain to Planned	Reliability	
2014 TRE-ERCOT AC	121-150	138	220	12/2015 Highway 32	Wimberley	4 OH	14626 PEC	C	1 Highway 32-Wimbe Planned	Reliability	
2014 TRE-ERCOT AC	121-150	138	129	9/2018 Blumenthal	Kendall CTEC-Mountain Top	8.4 OH	11269 LCRA TSC	S	1 Blumenthal Substat Planned	Reliability	
2014 TRE-ERCOT AC	121-150	138	221	6/2015 Parkway	EC Mornhinweg	8 OH	11269 LCRA TSC	S	1 Parkway to EC Morr Planned	Reliability	
2014 TRE-ERCOT AC	121-150	138	235	6/2014 Highway 123	Cushman	6.2 OH	11269 LCRA TSC	S	1 Cushman-Highway 123 Under Construction	Reliability	
2014 TRE-ERCOT AC	121-150	138	441	5/2014 Menger Creek	Menger Creek Tap	2.9 OH	11269 LCRA TSC	S	1 Menger Creek Trans Planned	Reliability	
2014 TRE-ERCOT AC	121-150	138	446	8/2019 Leander	Round Rock	13 OH	11269 LCRA TSC	S	1 Leander - Parmer - F Planned	Reliability	
2014 TRE-ERCOT AC	300-399	345	1959	5/2019 Zorn	Marion	18 OH	11269 LCRA TSC	S	1 Zorn to Marion 2nd Planned	Reliability	
2014 TRE-ERCOT AC	300-399	345	1959	5/2020 Gilleland Creek	Clear Springs	4 OH	11269 LCRA TSC	S	1 Cut T511 Gilleland C Conceptual	Reliability	
2014 TRE-ERCOT AC	300-399	345		5/2026 Liggett	Trinity Switch	12.8 OH	44372 ONCOR	I	1 Liggett - Trinity Swit Conceptual	Reliability	Other
2014 TRE-ERCOT AC	121-150	138		5/2023 Lavon Switch	Allen Switch	8.9 OH	44372 ONCOR	I	1 Lavon Switch - Allen Conceptual	Reliability	Other
2014 TRE-ERCOT AC	121-150	138		5/2024 Coppell	North Lake	4.8 OH	44372 ONCOR	I	1 Coppell - North Lake Conceptual	Reliability	Other
2014 TRE-ERCOT AC	121-150	138		5/2024 Saldo Switch	Cedar Valley Switch	7 OH	44372 ONCOR	I	1 Salado Sw- Cedar V: Conceptual	Reliability	Other
2014 TRE-ERCOT AC	121-150	138		5/2021 Allen Switch	West Plano Switch	3.5 OH	44372 ONCOR	I	1 Allen Switch - West Conceptual	Reliability	Other
2014 TRE-ERCOT AC	121-150	138		5/2015 Collin	Austin Ranch Junction	11.6 OH	44372 ONCOR	I	1 NW Carrollton - Coll Conceptual	Reliability	Other
2014 TRE-ERCOT AC	121-150	138		12/2015 NW Carrollton	Austin Ranch Junction	9.4 OH	44372 ONCOR	I	1 NW Carrollton - Coll Conceptual	Reliability	Other
2014 TRE-ERCOT AC	121-150	138		5/2017 Roanoke Switch	Elizabeth Creek	3.8 OH	44372 ONCOR	I	1 Roanoke Switch - El Conceptual	Reliability	Other
2014 TRE-ERCOT AC	121-150	138		5/2017 Hicks Switch	Elizabeth Creek	30.4 OH	44372 ONCOR	I	1 Hicks Switch - Elizab Conceptual	Reliability	Other
2014 TRE-ERCOT AC	300-399	345		5/2025 Southeast Nacogdoches	Lufkin Switch	8 OH	44372 ONCOR	I	1 Southeast Nacogdor Conceptual	Reliability	Other
2014 TRE-ERCOT AC	121-150	138		12/2014 Lamesa	Buzzard Draw	21.5 OH	44372 ONCOR	I	1 Lamesa - Buzzard Di Under Construction	Reliability	Other
2014 TRE-ERCOT AC	121-150	138		5/2014 Odessa North Switch	Goldsmith Junction	13.3 OH	44372 ONCOR	I	1 Odessa North - Gold Under Construction	Reliability	Other
2014 TRE-ERCOT AC	121-150	138		5/2018 North Main Tap	North Main Switch	4.4 OH	44372 ONCOR	I	1 North Main Switch 1 Conceptual	Reliability	Other
2014 TRE-ERCOT AC	300-399	345		5/2014 Oklaunion	Fisher Road	6.9 OH	44372 ONCOR	I	1 Riley (Oklaunion) - F Under Construction	Other	Other
2014 TRE-ERCOT AC	121-150	138		12/2016 Permian Basin	Culberson	88.7 OH	44372 ONCOR	I	1 Permian Basin - Cull Conceptual	Reliability	Other
2014 TRE-ERCOT AC	300-399	345		7/2024 Moss	Permian Basin	90 OH	44372 ONCOR	I	1 Permian Basin - Mo: Conceptual	Reliability	Other
2014 TRE-ERCOT AC	300-399	345		7/2024 Odessa EHV	Moss	15 OH	44372 ONCOR	I	1 Odessa EHV - Moss : Conceptual	Reliability	Other
2014 TRE-ERCOT AC	121-150	138		5/2015 Collin	Frisco (Brazos)	1.9 OH	44372 ONCOR	I	1 Collin - Arco (TMPA) Conceptual	Reliability	Other
2014 TRE-ERCOT AC	121-150	138		5/2021 Midland County Northwest	Midessa	7.2 OH	44372 ONCOR	I	1 Midland County Nor Conceptual	Reliability	Other
2014 TRE-ERCOT AC	121-150	138		12/2015 Morgan Creek	Cosden	32.5 OH	44372 ONCOR	I	1 Morgan Creek - Cosi Conceptual	Reliability	Other
2014 TRE-ERCOT AC	121-150	138		5/2015 McDonald Road	Garden City East	19 OH	44372 ONCOR	I	1 McDonald Road - G: Conceptual	Reliability	Other
2014 TRE-ERCOT AC	121-150	138		1/2015 Spraberry Tap	Aruba	6.8 OH	44372 ONCOR	I	1 Aruba 138 kV POI Under Construction	Other	Other
2014 TRE-ERCOT AC	121-150	138		12/2015 Spraberry	Garden City East	33 OH	44372 ONCOR	I	1 Spraberry - Garden C Conceptual	Reliability	Other
2014 TRE-ERCOT AC	121-150	138		12/2015 Midessa	Midessa South	9.4 OH	44372 ONCOR	I	1 Midessa - Midessa S Conceptual	Reliability	Other
2014 TRE-ERCOT AC	121-150	138		12/2015 Odessa	Midessa South	10 OH	44372 ONCOR	I	1 Odessa - Midessa Sc Conceptual	Reliability	Other
2014 TRE-ERCOT AC	121-150	138		5/2016 Midessa South	Spraberry	16 OH	44372 ONCOR	I	1 Midessa South - Spr Conceptual	Reliability	Other
2014 TRE-ERCOT AC	121-150	138		5/2018 Paul Davis	Paul Davis Tap	12 OH	44372 ONCOR	I	1 Paul Davis - Paul Da Conceptual	Reliability	Other
2014 TRE-ERCOT AC	121-150	138		5/2018 Paul Davis	Texaco Mabee	10 OH	44372 ONCOR	I	1 Paul Davis - Texaco Conceptual	Reliability	Other
2014 TRE-ERCOT AC	121-150	138		5/2019 Texaco Mabee Tap	Texaco Mabee	11.4 OH	44372 ONCOR	I	1 Texaco Mabee Tap - Conceptual	Reliability	Other
2014 TRE-ERCOT AC	121-150	138		12/2016 Midkiff	Garden City	20 OH	44372 ONCOR	I	1 Midkiff - Garden Cit Conceptual	Reliability	Other
2014 TRE-ERCOT AC	300-399	345	1477	6/2016 Loma Alta	N Edinburgh	106.5 OH	17008 SLU	I	1 New 345kV line fror Planned	Reliability	Other
2014 TRE-ERCOT AC	121-150	138	376	7/2015 Sales Ranch	Glass Ranch	10 OH	17008 SLU	I	1 SLU_GlassRanch_ad Planned	Reliability	Other
2014 TRE-ERCOT AC	300-399	345	1084	7/2015 Telephone Road	Amoco Tap	32.8 OH	17008 SLU	I	1 SLU_TelephoneRd_i Planned	Reliability	Other
2014 TRE-ERCOT AC	300-399	345	1084	10/2015 Vealmoor	Longdraw	11.4 OH	17008 SLU	I	1 SLU_Vealmoor_add Planned	Reliability	Other
2014 TRE-ERCOT AC	121-150	138	376	10/2015 Rocky Rd	Coates	7 OH	17008 SLU	I	1 Add new line to con Planned	Reliability	Other
2014 TRE-ERCOT AC	121-150	138	376	10/2015 Tall City	Glass Ranch	10 OH	17008 SLU	I	1 Add new 138kV line Planned	Reliability	Other
2014 TRE-ERCOT AC	300-399	345	1801	7/2016 White River	Abernathy	51 OH	17008 SLU	I	1 Add new 345kV Abe Planned	Reliability	Other
2014 TRE-ERCOT AC	121-150	138	376	7/2016 Boyd	Stiles	6 OH	17008 SLU	I	1 Addition of 138kV B Planned	Reliability	Other
2014 TRE-ERCOT AC	121-150	138	240	8/2016 Tilden	Fowlerton	17 OH	17583 STEC	C	1 Tilden to Reveille 13 Planned	Reliability	Other
2014 TRE-ERCOT AC	121-150	138	240	8/2016 Fowlerton	Reveille	30 OH	17583 STEC	C	1 Tilden to Reveille 13 Planned	Reliability	Other
2014 TRE-ERCOT AC	121-150	138	240	12/2016 Oaks	Loxley	6 OH	17583 STEC	C	1 Oaks to Loxley Planned	Reliability	Other
2014 TRE-ERCOT AC	121-150	138	240	7/2015 Magill	Tenaris	4.5 OH	17583 STEC	C	1 Tenaris 138 kV stati Under Construction	Other	Reliability
2014 TRE-ERCOT AC	300-399	345		6/2016 Gilleland Substation	Techridge Substation	8 OH	1015 AEN	M	1 Gilleland to Techrid Planned	Reliability	Reliability
2014 TRE-ERCOT AC	121-150	138		6/2022 PICACHO	CFE	8.8 OH	3278 AEP TCC	I	1 Picacho to CFE, con: Conceptual	Reliability	
2014 TRE-ERCOT AC	121-150	138		3/2019 ESCONDIDO	WEST BATESVILLE	46.2 OH	3278 AEP TCC	I	1 Escondido to West B Conceptual	Reliability	
2014 TRE-ERCOT AC	121-150	138		5/2015 Lobo	Rio Bravo	26 OH	3278 AEP TCC	I	1 Lobo to Molina, bui Under Construction	Reliability	
2014 TRE-ERCOT AC	121-150	138		12/2020 AIRLINE	WESTSIDE	6.22 OH	3278 AEP TCC	I	1 Airline to Westside: Planned	Economics / Congestion	
2014 TRE-ERCOT AC	121-150	138		12/2016 KENEDY SWITCHING STATIO	TULETA	16.9 OH	3278 AEP TCC	I	1 Kenedy Switch to Tu Under Construction	Reliability	
2014 TRE-ERCOT AC	121-150	138		6/2015 Lon Hill	Kingsville	1.6 OH	3278 AEP TCC	I	1 Bunsen: Build new f Under Construction	Other	
2014 TRE-ERCOT AC	121-150	138		5/2015 MOLINA	ZAPATA	2 OH	3278 AEP TCC	I	1 Molina to Zapata: C Under Construction	Reliability	
2014 TRE-ERCOT AC	121-150	138		12/2016 BARNEY DAVIS	NAVAL BASE	7 OH	3278 AEP TCC	I	1 Barney Davis To Nav Planned	Reliability	
2014 TRE-ERCOT AC	121-150	138		12/2017 COLETO CREEK	TULETA	56 OH	3278 AEP TCC	I	1 Coleto Creek to Tule Planned	Reliability	
2014 TRE-ERCOT AC	121-150	138		12/2020 AIRLINE	HOLLY	1.69 OH	3278 AEP TCC	I	1 Airline to Holly: Buil Planned	Economics / Congestion	
2014 TRE-ERCOT AC	121-150	138		5/2016 MCCOLL ROAD & NORTH MC	PHARR	2.2 OH	3278 AEP TCC	I	1 Pharr 138 kV Loop Under Construction	Reliability	
2014 TRE-ERCOT AC	121-150	138		12/2016 Esmeralda	Yucca	13 OH	3278 AEP TNC	I	1 Esmeralda to Yucca: Planned	Reliability	
2014 TRE-ERCOT AC	121-150	138		12/2017 Cassava	Yucca	12.3 OH	3278 AEP TNC	I	1 Cassava to Yucca: R: Planned	Reliability	
2014 TRE-ERCOT AC	121-150	138		12/2016 Solstice	Clovis	4.5 OH	3278 AEP TNC	I	1 Solstice to Clovis: B: Planned	Variable/Renewable Integration	
2014 TRE-ERCOT AC	121-150	138	700	6/2015 Pockrus	Spencer	3.8 OH	5078 DME	M	1 DME_Pockrus_Spen Planned	Reliability	Economics / Congestion
2014 TRE-ERCOT AC	121-150	138		6/2017 TNMP	Princeton South	3.5 OH	40051 TNMP	I	1 Longneck to Princet Planned	Reliability	Economics / Congestion
2014 TRE-ERCOT AC	121-150	138		6/2018 TNMP	Longneck	7.5 OH	40051 TNMP	I	1 Climax to Longneck Planned	Reliability	Economics / Congestion
2014 TRE-ERCOT AC	121-150	138		9/2015 CMC Tap	CMC (SMI)	2.2 OH	7752 GVEC	C	1 CMC Tap to CMC (SI) Planned	Other	

2014 TRE-ERCOT AC	121-150	138		5/2017 Marion	Cibolo	4.81 OH	7752 GVEC	C		Marion to Cibolo T-I Planned	Economics / Congestion	
2014 TRE-ERCOT AC	121-150	138		10/2016 Gillett	Nopal	8.5 OH	7752 GVEC	C		Gillett Sub (LCRA) t Planned	Other	
2014 TRE-ERCOT AC	300-399	345		6/2016 Lobo	North Edinburg	156 OH	3278 ETT	I		Lobo to North Edinburg Under Construction	Reliability	
2014 WECC-US AC	200-299	200-299	576	6/2016 Rifle	Parachute	18	15466 PSC	I		100 Rifle - Parachute Planned	Reliability	
2014 WECC-US AC	300-399	300-399	1200	6/2019 Pawnee	Daniels Park	124	15466 PSC	I		100 Pawnee - Daniels Pa Planned	Reliability	
2014 WECC-US AC	200-299	300-399	(2) 613	9/2023 Alamosa County, CO	Huerfano County, CO	93	30151 TSGT	C / I	40 / 60	San Luis Valley-Calu Conceptual	Reliability	Variable/Renewable Integration
2014 WECC-US AC	200-299	200-299		9/2017 Sidney, NB	Peetz, CO	5	30151 TSGT			100 Sidney-Peetz Logan Planned	Reliability	Variable/Renewable Integration
2014 WECC-US AC	300-399	300-399		12/2023 Lamar, CO area	Denver, CO area	400-599	30151 TSGT			50 Lamar - Front Range Conceptual	Reliability	Economics or Congestion
2014 WECC-US AC	100-120	100-120	219	12/2015 La Junta BHCE 100-120 kV b	La Junta TSGT 100-120 kV b	1 OH	20101 BHCE	I		50 La Junta Interconne Planned	Reliability	
2014 WECC-US AC	100-120	100-120	219	12/2015 Baculite Mesa 100-120 kV b	Overton 100-120 kV bus	4 OH	20101 BHCE	I		100 Baculite Mesa-Overt Planned	Reliability	
2014 WECC-US AC	100-120	100-121	219	12/2015 Nyberg 115 kV	Boone 115 kV	11 OH	20101 BHCE	I		Boone-Nyberg 115 kV Planned	Reliability	Economics or Congestion
2014 WECC-US AC	100-120	100-122	219	12/2015 West Station 115 kV	Desert Cove 115 kV	4 OH	20101 BHCE	I		West Station-Desert Planned	Reliability	Economics or Congestion
2014 WECC-US AC	200-299	200-299	TBD	12/2023 Parachute	Rifle	31 OH	15466 PSC	I		100 Parachute - Cameo Conceptual	Reliability	
2014 WECC-US AC	200-299	200-299	576	6/2016 Arvada	Ridge	10 OH	15466 PSC	I		100 Cherokee - Ridge 23 Planned	Reliability	
2014 WECC-US AC	100-120	100-120	TBD	6/2019 Glenwood	Rifle	26 OH	15466 PSC	I		100 Glenwood - Rifle Up Conceptual	Reliability	
2014 WECC-US AC	200-299	200-299		12/2017 Limon, CO	Calhan, CO	55	30151 TSGT			100 Big Sandy - Calhan 2 Planned	Reliability	Other
2014 WECC-US AC	100-120	100-120		12/2014 Monfort	DCP Substation	2.5 OH	15466 PSC	I		Monfort - DCP 115 Planned	Reliability	
2014 WECC-US AC	100-120	100-120		12/2019 Gilman	Avon	12 OH	15466 or 8 PSC or HCE	I/C		Gilman - Avon 115 Conceptual	Reliability	
2014 WECC-US AC	200-299	200-299		11/2018 Wheeler	Wolf Ranch	18.5 OH	15466 PSC	I		Wheeler - Middle Fc Planned	Reliability	
2014 WECC-US AC	100-120	100-120		12/2017 Poncha	Malta	52 OH	15466 PSC	I		Poncha - Malta 115 Planned	Reliability	
2014 WECC-US AC	100-120	100-120		6/2015 Bruch	Brush	3 OH	15466 PSC	I		Brush - Brush SS 115 Planned	Reliability	
2014 WECC-US AC	100-120	100-120	TBD	4/2016 Prairie Center	Bromley	4 OH	30151 TSGT			United Power Sys In Under Construction	Reliability	Economics or Congestion
2014 WECC-US AC	100-120	100-120	TBD	12/2018 Sterling Ranch	Sterling Ranch Tap	3 OH	30151 TSGT			Sterling Ranch Tap 1 Planned	Reliability	
2014 WECC-US AC	100-120	100-120	239	8/2016 Grandview 115kV	Compark 115kV	1.5 OH	IREA	C		100 Grandview-Compark Planned	Reliability	
2014 WECC-US AC	200-299	200-299	558	1/2016 Teckla 200-299 kV bus	Osage 200-299 kV bus	60	BHP	I		100 Teckla-Osage 200-25 Planned	Reliability	
2014 WECC-US AC	200-299	200-299	558	1/2016 Osage 200-299 kV bus	Lange 200-299 kV bus	75	BHP	I		100 Osage-Lange 200-25 Planned	Reliability	
2014 WECC-US AC	100-120	100-120	217/189	6/2015 South Cheyenne Sub	North Range Sub	13 OH	CLFP	I		South Cheyenne-No Under Construction	Reliability	Economics or Congestion
2014 WECC-US AC	200-299	200-299	613	9/2015 Shiprock, NM	La Plata County, CO	40	30151 TSGT	C		100 Shiprock-Kiffen Can Planned	Reliability	Economics or Congestion
2014 WECC-US AC	200-299	200-299	613	12/2015 Burlington, CO	Wray, CO	56	30151 TSGT	C		100 Burlington-Wray 20 Planned	Economics or Reliability	
2014 WECC-US AC	100-120	100-120	166	12/2016 Pagosa Springs, CO	To Be Determined	37	30151 TSGT	C		50 Pagosa-Ignacio 100- Conceptual	Reliability	Economics or Congestion
2014 WECC-US AC	100-120	100-120	166	12/2016 Montrose, CO	Montrose County, CO	8	30151 TSGT	C		50 East Montrose-Sout Conceptual	Reliability	Economics or Congestion
2014 WECC-US AC	200-299	200-299		9/2017 Sidney, NB	Peetz, CO	5	30151 TSGT			100 Sidney-Peetz Logan Planned	Reliability	Variable/Renewable Integration
2014 WECC-US AC	300-399	300-399		12/2018 Lamar, CO area	Denver, CO area	400-599	30151 TSGT			50 Lamar - Front Range Conceptual	Reliability	Economics or Congestion
2014 WECC-US AC	200-299	200-299		12/2017 Limon, CO	Calhan, CO	55	30151 TSGT			100 Big Sandy - Calhan 2 Planned	Reliability	Other
2014 WECC-US AC	200-299	200-299	576	10/2015 Rifle	Parachute	18	15466 PSC	I		100 Rifle - Parachute Planned	Reliability	
2014 WECC-US AC	300-399	300-399	1200	6/2019 Pawnee	Daniels Park	124	15466 PSC	I		100 Pawnee - Daniels Pa Planned	Reliability	
2014 WECC-US AC	300-399	300-399	(2) 1700	9/2023 Huerfano County, CO	Pueblo, CO	43	30151 TSGT	C / I	40 / 60	Calumet-Comanche Conceptual	Reliability	Variable/Renewable Integration
2014 WECC-US AC	200-299	200-299	613	9/2015 Huerfano County, CO	Pueblo, CO	7	30151 TSGT	C / I	40 / 60	Calumet-Walsenbur Conceptual	Reliability	Variable/Renewable Integration
2014 WECC-US AC	200-299	300-399	(2) 613	9/2023 Alamosa County, CO	Huerfano County, CO	93	30151 TSGT	C / I	40 / 60	San Luis Valley-Calu Conceptual	Reliability	Variable/Renewable Integration
2014 WECC-US AC	200-299	200-299		9/2017 Sidney, NB	Peetz, CO	5	30151 TSGT			100 Sidney-Peetz Logan Planned	Reliability	Variable/Renewable Integration
2014 WECC-US AC	300-399	300-399		12/2023 Lamar, CO area	Denver, CO area	400-599	30151 TSGT			50 Lamar - Front Range Conceptual	Reliability	Economics or Congestion
2014 WECC-US AC	100-120	100-120	219	12/2015 La Junta BHCE 100-120 kV b	La Junta TSGT 100-120 kV b	1 OH	20101 BHCE	I		50 La Junta Interconne Planned	Reliability	
2014 WECC-US AC	100-120	100-120	219	12/2015 Baculite Mesa 100-120 kV b	Overton 100-120 kV bus	4 OH	20101 BHCE	I		100 Baculite Mesa-Overt Planned	Reliability	
2014 WECC-US AC	100-120	100-121	219	12/2015 Nyberg 115 kV	Boone 115 kV	11 OH	20101 BHCE	I		Boone-Nyberg 115 kV Planned	Reliability	Economics or Congestion
2014 WECC-US AC	100-120	100-122	219	12/2015 West Station 115 kV	Desert Cove 115 kV	4 OH	20101 BHCE	I		West Station-Desert Planned	Reliability	Economics or Congestion
2014 WECC-US AC	200-299	200-299	TBD	12/2023 Parachute	Rifle	31 OH	15466 PSC	I		100 Parachute - Cameo Conceptual	Reliability	
2014 WECC-US AC	200-299	200-299	576	6/2016 Arvada	Ridge	10 OH	15466 PSC	I		100 Cherokee - Ridge 23 Planned	Reliability	
2014 WECC-US AC	100-120	100-120	TBD	6/2019 Glenwood	Rifle	26 OH	15466 PSC	I		100 Glenwood - Rifle Up Planned	Reliability	
2014 WECC-US AC	200-299	200-299		12/2017 Limon, CO	Calhan, CO	55	30151 TSGT			100 Big Sandy - Calhan 2 Planned	Reliability	Other
2014 WECC-US AC	200-299	200-299	554	12/2014 Teckla 200-299 kV bus	Osage 200-299 kV bus	60	BHP	I		100 Teckla-Osage 200-25 Planned	Reliability	
2014 WECC-US AC	200-299	200-299	554	12/2015 Osage 200-299 kV bus	Lange 200-299 kV bus	75	BHP	I		100 Osage-Lange 200-25 Planned	Reliability	
2014 WECC-US AC	100-120	100-120	222	12/2014 Happy Jack Sub	North Range Sub	1	CLFP	I		100 Happy Jack-North R: Under Construction	Reliability	
2014 WECC-US AC	100-120	100-120	222	4/2014 Archer Sub	East Business Park Sub	1.25 OH	CLFP	I		100 CPGS Interconnectio Under Construction	Fossil-Fired Integration	
2014 WECC-US AC	100-120	100-120	222	12/2014 South Cheyenne Sub	North Range Sub	13 OH	CLFP	I		South Cheyenne-No Planned	Reliability	Economics or Congestion
2014 WECC-US AC	200-299	200-299	613	9/2015 Shiprock, NM	La Plata County, CO	40	30151 TSGT	C		100 Shiprock-Kiffen Can Planned	Reliability	Economics or Congestion
2014 WECC-US AC	200-299	200-299	613	12/2015 Burlington, CO	Wray, CO	56	30151 TSGT	C		100 Burlington-Wray 20 Planned	Economics or Reliability	
2014 WECC-US AC	100-120	100-120	166	12/2016 Pagosa Springs, CO	To Be Determined	37	30151 TSGT	C		50 Pagosa-Ignacio 100- Conceptual	Reliability	Economics or Congestion
2014 WECC-US AC	100-120	100-120	166	12/2016 Montrose, CO	Montrose County, CO	8	30151 TSGT	C		50 East Montrose-Sout Conceptual	Reliability	Economics or Congestion
2014 WECC-US AC	200-299	200-299		9/2017 Sidney, NB	Peetz, CO	5	30151 TSGT			100 Sidney-Peetz Logan Planned	Reliability	Variable/Renewable Integration
2014 WECC-US AC	300-399	300-399		12/2018 Lamar, CO area	Denver, CO area	400-599	30151 TSGT			50 Lamar - Front Range Conceptual	Reliability	Economics or Congestion
2014 WECC-US AC	200-299	200-299		12/2017 Limon, CO	Calhan, CO	55	30151 TSGT			100 Big Sandy - Calhan 2 Planned	Reliability	Other
2014 WECC-US AC	151-199	151-199	271	3/2015 CACHANILLA ENTQ.	STA. ISABEL - RIO NUEVO	1.86451212 OH	CFE	F		100 CACHANILLA ENTQ. Under Construction	Reliability	Reliability
2014 WECC-US AC	200-299	200-299	388	4/2015 SANTA ISABEL ENTQ.	LA ROSITA - WISTERIA	9.4468614 OH	CFE	F		100 SANTA ISABEL ENTQ Under Construction	Reliability	Reliability
2014 WECC-US AC	151-199	151-199	271	4/2015 SANTA ISABEL	MEXICALI II	8.45245494 OH	CFE	F		100 SANTA ISABEL Under Construction	Reliability	Reliability
2014 WECC-US AC	200-299	200-299	388	4/2016 LA JOVITA ENTQ.	PRESIDENTE JUAREZ - CIPRE	11.6842759 OH	CFE	F		100 LA JOVITA ENTQ. Planned	Fossil-Fired In Fossil-Fired Integration	
2014 WECC-US AC	151-199	151-199	271	4/2016 SANTA ISABEL	MEXICALI II	8.39030454 OH	CFE	F		100 SANTA ISABEL Under Construction	Reliability	Reliability
2014 WECC-US AC	200-299	200-299	388	1/2017 EJIDO SAN LUIS ETQ CHAPUI	PARQUE INDUSTRIAL SAN LL	3.97762585 OH	CFE	F		100 EJIDO SAN LUIS ETQ Planned	Fossil-Fired In Fossil-Fired Integration	
2014 WECC-US AC	200-299	200-299	388	1/2017 EJIDO SAN LUIS ENTQ.	SAN LUIS REY-PQUE IND SAN	3.97762585 OH	CFE	F		100 EJIDO SAN LUIS ENT Planned	Fossil-Fired In Fossil-Fired Integration	
2014 WECC-US AC	200-299	200-299	388	2/2017 MEXICALI II	TECNOLOGICO	6.83654444 OH	CFE	F		100 MEXICALI II Planned	Reliability	Reliability
2014 WECC-US AC	151-199	151-199	271	2/2017 GONZALEZ ORTEGA ENTQ.	MEXICALI II - RUIZ CORTINES	7.45804848 OH	CFE	F		100 GONZALEZ ORTEGA Planned	Reliability	Reliability
2014 WECC-US AC	100-120	100-120	120	4/2017 TECATE II	EL ENCINAL	5.34493474 OH	CFE	F		100 TECATE II Planned	Reliability	Reliability
2014 WECC-US AC	200-299	200-299	388	4/2019 LA JOVITA ENTQ.	PRESIDENTE JUAREZ - LOMA	11.4356743 OH	CFE	F		100 LA JOVITA ENTQ. Planned	Fossil-Fired In Fossil-Fired Integration	
2014 WECC-US AC	200-299	200-299	388	4/2019 CUCAPAH	CERRO PRIETO II	12.4300808 OH	CFE	F		100 CUCAPAH Planned	Reliability	Reliability
2014 WECC-US AC	200-299	200-299	388	4/2019 CUCAPAH ENTQ.	LA ROSITA - CERRO PRIETO I	2.48601616 OH	CFE	F		100 CUCAPAH ENTQ. Planned	Reliability	Reliability
2014 WECC-US AC	200-299	200-299	388	4/2019 CERRO PRIETO III ENTQ.	LA ROSITA - CERRO PRIETO I	1.24300808 OH	CFE	F		100 CERRO PRIETO III EN Planned	Reliability	Reliability
2014 WECC-US AC	200-299	200-299	388	4/2019 SANCHEZ TABOADA ENTQ.	LA ROSITA - CERRO PRIETO I	5.59353636 OH	CFE	F		100 SANCHEZ TABOADA Planned	Reliability	Reliability
2014 WECC-US AC	400-599	400-599	440	4/2019 SEIS DE ABRIL	PINACATE	127.408328 OH	CFE	F		100 SEIS DE ABRIL Planned	Reliability	Reliability

2014	WECC-US	AC	100-120	100-120	120	4/2019	CARDENAS ENTQ.	EL RUBI - PRESIDENTE JUARE	8.07955252	OH	CFE	F	100	CARDENAS ENTQ.	Planned	Reliability	Reliability	
2014	WECC-US	AC	200-299	200-299	388	4/2019	CHAPULTEPEC	KM 43	13.6730889	OH	CFE	F	100	CHAPULTEPEC	Planned	Reliability	Reliability	
2014	WECC-US	AC	100-120	100-120	120	6/2019	FRONTERA ENTQ.	INDUSTRIAL - UNIVERSIDAD	3.72902424	OH	CFE	F	100	FRONTERA ENTQ.	Planned	Reliability	Reliability	
2014	WECC-US	AC	200-299	200-299	388	10/2019	RUIZ CORTINES ENTQ	EJIDO SAN LUIS - HIDALGO	1.86451212	OH	CFE	F	100	RUIZ CORTINES ENT	Planned	Reliability	Reliability	
2014	WECC-US	AC	100-120	100-120	120	4/2021	LA ENCANTADA ENTQ	LA HERRADURA-METROPOLI	1.24300808	OH	CFE	F	100	LA ENCANTADA ENT	Planned	Reliability	Reliability	
2014	WECC-US	AC	200-299	200-299	388	6/2021	KM 43	EL ARRAJAL	77.688005	OH	CFE	F	100	KM 43	Planned	Reliability	Reliability	
2014	WECC-US	AC	100-120	100-120	120	6/2021	EL ARRAJAL	SAN FELIPE	14.916097	OH	CFE	F	100	EL ARRAJAL	Planned	Reliability	Reliability	
2014	WECC-US	AC	100-120	100-120	120	4/2022	VALLE DORADO ENTQ.	EL GALLO-CIPRES	1.24300808	OH	CFE	F	100	VALLE DORADO ENT	Planned	Reliability	Reliability	
2014	WECC-US	AC	100-120	100-120	120	4/2022	EL DORADO	SAN FELIPE	3.72902424	OH	CFE	F	100	EL DORADO	Planned	Reliability	Reliability	
2014	WECC-US	AC	151-199	151-199	271	10/2022	AEROPUERTO MEXICALI ENT	MEXICALI OTE.-CERRO PRIET	8.70105656	OH	CFE	F	100	AEROPUERTO MEXII	Planned	Reliability	Reliability	
2014	WECC-US	AC	151-199	151-199	271	10/2022	CERRO PRIETO I	CERRO PRIETO IV	3.72902424	OH	CFE	F	100	CERRO PRIETO I	Planned	Reliability	Reliability	
2014	WECC-US	AC	151-199	151-199	271	10/2022	AEROPUERTO MEXICALI ENT	GLZ. ORTEGA - CERRO PRIET	8.70105656	OH	CFE	F	100	AEROPUERTO MEXII	Planned	Reliability	Reliability	
2014	WECC-US	AC	200-299	200-299	388	10/2022	AEROPUERTO MEXICALI ENT	TECNOLOGICO - CETYS	14.916097	OH	CFE	F	100	AEROPUERTO MEXII	Planned	Reliability	Reliability	
2014	WECC-US	AC	200-299	200-299	388	10/2023	CUCAPAH	SANCHEZ TABOADA	9.3225606	OH	CFE	F	100	CUCAPAH	Planned	Reliability	Reliability	
2014	WECC-US	AC	100-120	100-120	120	1/2025	TECATE I ENTQ.	TECATE II - HERRADURA	0.12430081	OH	CFE	F	100	TECATE I ENTQ.	Planned	Reliability	Reliability	
2014	WECC-US	AC	100-120	100-120	120	1/2025	TECRA ENTQ.	LA HERRADURA - TECATE	0.31075202	OH	CFE	F	100	TECRA ENTQ.	Planned	Reliability	Reliability	
2014	WECC-US	AC	100-120	100-120	120	1/2025	METROPOLI POT. ENTQ.	PANAMERICANA FRACC-PRE	21.1311374	OH	CFE	F	100	METROPOLI POT. E	Planned	Reliability	Reliability	
2014	WECC-US	AC	100-120	100-120	120	1/2025	METROPOLI POT.	TIJUANA I	10.1926663	OH	CFE	F	100	METROPOLI POT.	Planned	Reliability	Reliability	
2014	WECC-US	AC	100-120	100-120	120	4/2025	TIJUANA I	INDUSTRIAL	7.45804848	OH	CFE	F	100	TIJUANA I	Planned	Reliability	Reliability	
2014	WECC-US	AC	200-299	200-299	388	10/2025	LT CC ENSENADA	LA HERRADURA	99.4406464	OH	CFE	F	100	LT CC ENSENADA	Planned	Reliability	Reliability	
2014	WECC-US	AC	200-299	200-299	388	4/2026	CIPRES	CAÑON	52.2063393	OH	CFE	F	100	CIPRES	Planned	Reliability	Reliability	
2014	WECC-US	AC	100-120	100-120	TBD	12/2015	San Mateo	Bay Meadows	4.5		14328	PG&E	I	100	Bay Meadows 4/0 C	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299	200-299	683	12/2016	Contra Costa Substation (An	Moraga Substation (Orinda,	54		14328	PG&E	I	100	Contra Costa - Mora	Planned	Reliability	Deliverability
2014	WECC-US	AC	200-299	200-299	TBD	12/2015	Embarcadero	Potrero	3		14328	PG&E	I	100	Embarcadero-Potrei	Planned	Reliability	Reliability
2014	WECC-US	AC	100-120	100-120	TBD	6/2017	Missouri Flat	Gold Hill	25		14328	PG&E	I	100	Missouri Flat - Gold	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299	200-299	1366	5/2015	Newark Substation (Fremon	Ravenswood Substation (Me	18		14328	PG&E	I	100	Newark - Ravenwoo	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299	200-299	683	10/2015	Pittsburg Substation (Pittsbu	Telsa Substation (Livermore,	62		14328	PG&E	I	100	Pittsburg - Tesla 20C	Planned	Reliability	Economics or Congestion
2014	WECC-US	AC	200-299	200-299	TBD	5/2018	Rio Oso	Gold Hill	28.5		14328	PG&E	I	100	Rio Oso-Atlantic anc	Planned	Reliability	Reliability
2014	WECC-US	AC	138/69			6/2015	Los Coches	Los Coches			16609	SDGE			Upgrade Los Coches	Planned	Reliability	Reliability
2014	WECC-US	AC	138/69			6/2015	Los Coches	Los Coches			16609	SDGE			Upgrade Los Coches	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299			6/2017	Southern Orange County	Southern Orange County			16609	SDGE			Southern Orange Cc	Planned	Reliability	Reliability
2014	WECC-US	AC	138/69			6/2015	Talega	Talega			16609	SDGE			Replace Talega 138/	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299	200-299	478	4/2015	Rector CA	Springville CA	38		17609	SCE	I	SCE: 100%	San Joaquin Cross V Under Constructio	Reliability	Reliability	
2014	WECC-US	AC	400-599	400-599	3950	2/2015	Tehachapi CA	Mira Loma CA	250		17609	SCE	I	SCE: 100%	Tehachapi Renewab	Under Constructio	Variable/Renewable Integration	
2014	WECC-US	AC	121-150	138		6/2014	Sycamore	Chicarita	6	OH	16609	SDGE		100	TL 13820, Sycamore	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299	230		6/2017	Bay Boulevard			OH	16609	SDGE		100	Bay Boulevard 230/	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299	230		12/2017	SONGMESA 230 kV substation				16609	SDGE		100	South Orange Count	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299	230		6/2015	Talega				16609	SDGE		100	Talega Area Dynam	Planned	Reliability	Reliability
2014	WECC-US	AC	400-599	500		3/2015	East County				16609	SDGE		100	East County 500kV	Planned	Renewable In	Reliability
2014	WECC-US	AC	121-150	138		6/2018	Trabuco	Capistrano			16609	SDGE	I	100	TL13834 Trabuco-C	Planned	Reliability	Reliability
2014	WECC-US	AC	100-120	115		5/2019	McCall	Reedley		OH	14328	PG&E	I		McCall-Reedley #2	1 Conceptual	Reliability	Reliability
2014	WECC-US	AC	200-299	230		5/2019	Midway	Kern		OH	14328	PG&E	I		Midway-Kern PP #2	Conceptual	Reliability	Reliability
2014	WECC-US	AC	400-599	500		6/2020	Delaney	Colorado		OH					New Delaney-Color	Conceptual	Economics or	Economics or Congestion
2014	WECC-US	AC	200-299	200-299	950	7/2015	Haskell CA	Castaic CA	12		11208	LADWP	M	LDWP - 100%	Barren Ridge Renew	Conceptual	Variable/Rene	Economics or Congestion
2014	WECC-US	AC	200-299	200-299	950	7/2015	Barren Ridge CA	Haskell CA	61		11208	LADWP	M	LDWP - 100%	Barren Ridge Renew	Conceptual	Variable/Rene	Economics or Congestion
2014	WECC-US	AC	200-299	200-299	650	7/2015	Barren Ridge CA	Rinaldi CA	76		11208	LADWP	M	LDWP - 100%	Barren Ridge Renew	Conceptual	Variable/Rene	Economics or Congestion
2014	WECC-US	AC	200-299	200-299	400-599	8/2014	Scattergood Generating Stat	Olympic Receiving Station K	12		11208	LADWP	M	LADWP - 100%	Scattergood-Olympi	Planned	Reliability	Economics or Congestion
2014	WECC-US	AC	200-299	200-299	159	2/2017	Harbor Generating Station	Wilmington Receiving Station		OH	11208	LADWP	M	LADWP - 100%	Wilmington Bypass	Planned	Reliability	Economics or Congestion
2014	WECC-US	AC	200-299	200-299	836	8/2015	Nortridge Receiving Station	Tarzana Receiving Station		OH	11208	LADWP	M	LADWP - 100%	Northridge-Tarzana	Planned	Reliability	Economics or Congestion
2014	WECC-US	AC	200-299	200-299	650	6/2018	Valley Receiving Station	Rinaldi CA		OH	11208	LADWP	M	LADWP - 100%	Re-conductor both	Planned	Reliability	Economics or Congestion
2014	WECC-US	AC	200-299	200-299	761	6/2016	Haskell CA	Rinaldi CA		OH	11208	LADWP	M	LADWP - 100%	Re-conductor Haske	Planned	Reliability	Economics or Congestion
2014	WECC-US	AC	200-299	200-299	430	10/2018	La Jovita MX	Lomas MX	30	OH		CFE	F	100	La Jovita	Planned	Fossil-Fired In	Fossil-Fired Integration
2014	WECC-US	AC	200-299	200-299	430	10/2015	La Jovita MX	La Herradura MX	50	OH		CFE	F	100	La Jovita	Planned	Fossil-Fired In	Fossil-Fired Integration
2014	WECC-US	AC	200-299	200-299	430	10/2018	El Cañon MX	El Ciprés MX	52	OH		CFE	F	100	El Cañon	Planned	Reliability	Reliability
2014	WECC-US	AC	400-599	400	800	10/2018	Ensenada	La Herradura MX	49.7	OH		CFE	F	100	Ensenada	Planned	Fossil-Fired In	Fossil-Fired Integration
2014	WECC-US	AC	200-299	200-299	388	4/2014	Cucapah	Mexicali MX	14.29	OH		CFE	F	100	Cucapah	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299	200-299	388	4/2014	Cucapah	Sanchez Taboada MX	14.29	OH		CFE	F	100	Cucapah	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299	200-299	388	4/2014	Cucapah	Cerro Prieto II MX	14.91	OH		CFE	F	100	Cucapah	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299	200-299	388	4/2014	Cucapah	La Rosita MX	20.5	OH		CFE	F	100	Cucapah	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299	200-299	388	4/2017	Mexicali	Tecnologico MX	11	OH		CFE	F	100	Mexicali	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299	200-299	388	4/2016	Santa Isabel	La Rosita MX	15.4	OH		CFE	F	100	Santa Isabel	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299	200-299	388	4/2016	Santa Isabel	La Rosita MX	15.4	OH		CFE	F	100	Santa Isabel	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299	200-299	388	4/2018	Ejido San Luis	Chapultepec	38.3	OH		CFE	F	100	Ejido San Luis	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299	200-299	388	4/2018	Ejido San Luis	San Luis Rey	17.6	OH		CFE	F	100	Ejido San Luis	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299	200-299	388	4/2018	Ejido San Luis	Parque Industrial	6.6	OH		CFE	F	100	Ejido San Luis	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299	200-299	388	4/2018	Ejido San Luis	Parque Industrial	6.6	OH		CFE	F	100	Ejido San Luis	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299	200-299	388	4/2016	Rumorosa Eolico	Herradura	56	OH		CFE	F	100	Rumorosa Eolico	Planned	Reliability	Reliability
2014	WECC-US	AC	151-199	151-199	388	4/2014	La Cachanilla	Santa Isabel	6.5	OH		CFE	F	100	La Cachanilla	Planned	Reliability	Reliability
2014	WECC-US	AC	151-199	151-199	388	4/2014	La Cachanilla	Rio Nuevo	7	OH		CFE	F	100	La Cachanilla	Planned	Reliability	Reliability
2014	WECC-US	AC	100-120	100-120	TBD	12/2015	San Mateo	Bay Meadows	4.5		14328	PG&E	I	100	Bay Meadows 4/0 C	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299	200-299	683	12/2014	Contra Costa Substation (An	Moraga Substation (Orinda,	54		14328	PG&E	I	100	Contra Costa - Mora	Planned	Reliability	Deliverability
2014	WECC-US	AC	200-299	200-299	TBD	12/2015	Embarcadero	Potrero	3		14328	PG&E	I	100	Embarcadero-Potrei	Planned	Reliability	Reliability
2014	WECC-US	AC	100-120	100-120	TBD	6/2017	Missouri Flat	Gold Hill	25		14328	PG&E	I	100	Missouri Flat - Gold	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299	200-299	1366	5/2015	Newark Substation (Fremon	Ravenswood Substation (Me	18		14328	PG&E	I	100	Newark - Ravenwoo	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299	200-299	683	10/2015	Pittsburg Substation (Pittsbu	Telsa Substation (Livermore,	62		14328	PG&E	I	100	Pittsburg - Tesla 20C	Planned	Reliability	Economics or Congestion
2014	WECC-US	AC	200-299	200-299	TBD	5/2018	Rio Oso	Gold Hill	28.5		14328	PG&E	I	100	Rio Oso-Atlantic anc	Planned	Reliability	Reliability
2014	WECC-US	AC	138/69			6/2015	Los Coches	Los Coches			16609	SDGE			Upgrade Los Coches	Planned	Reliability	Reliability

2014	WECC-US	AC	138/69		6/2015	Los Coches	Los Coches		16609	SDGE		Upgrade Los Coches	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299		6/2017	Southern Orange County	Southern Orange County		16609	SDGE		Southern Orange Cc	Planned	Reliability	Reliability
2014	WECC-US	AC	138/69		6/2015	Talega	Talega		16609	SDGE		Replace Talega 138/	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299	200-299	4/2014	Recto CA	Springville CA	38	17609	SCE	I	San Joaquin Cross V Under	Constructor	Reliability	Reliability
2014	WECC-US	AC	400-599	400-599	2/2015	Tehachapi CA	Mira Loma CA	250	17609	SCE	I	SCE: 100% Tehachapi Renewab	Under Constructor	Variable/	Renewable Integration
2014	WECC-US	AC	200-299	220	6/2014	Barre CA	Ellis CA	12.7	17609	SCE	I	SCE: 100% Reconfigure Barre-E	Planned	Reliability	Reliability
2014	WECC-US	AC	121-150	138	6/2014	Sycamore	Chicarita	6 OH	16609	SDGE		100 TL 13820, Sycamore	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299	230	6/2015	Bay Boulevard		OH	16609	SDGE		100 Bay Boulevard 230/	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299	230	12/2017	SONGMESA 230 kV substation			16609	SDGE		100 South Orange Count	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299	230	6/2015	Talega			16609	SDGE		100 Talega Area Dynam	Planned	Reliability	Reliability
2014	WECC-US	AC	400-599	500	3/2014	East County			16609	SDGE		100 East County 500kV	Planned	Renewable In	Reliability
2014	WECC-US	AC	200-299	200-299	7/2015	Haskell CA	Castaic CA	12	11208	LADWP	M	LDWP - 100% Barren Ridge Renew	Conceptual	Variable/Rene	Economics or Congestion
2014	WECC-US	AC	200-299	200-299	7/2015	Barren Ridge CA	Haskell CA	61	11208	LADWP	M	LDWP - 100% Barren Ridge Renew	Conceptual	Variable/Rene	Economics or Congestion
2014	WECC-US	AC	200-299	200-299	7/2015	Barren Ridge CA	Rinaldi CA	76	11208	LADWP	M	LDWP - 100% Barren Ridge Renew	Conceptual	Variable/Rene	Economics or Congestion
2014	WECC-US	AC	200-299	200-299	8/2014	Scattergood Generating Stat	Olympic Receiving Station K	12	11208	LADWP	M	LADWP - 100% Scattergood-Olympi	Planned	Reliability	Economics or Congestion
2014	WECC-US	AC	200-299	240	10/2018	205S	491S	24.85484 OH	AESO	I		AltaLink - 100 1004-1 -- 787-7 - So	Planned	Variable/Rene	Economics or congestion
2014	WECC-US	AC	200-299	240	4/2015	244S	2075S	82.3254438 OH	AESO	I		AltaLink - 100 1035L-1 -- 737-13 - I	Planned	Economic or c	Reliability
2014	WECC-US	AC	200-299	240	9/2015	266S	138S	39.2706472 OH	AESO	I		AltaLink - 100 1037-1 -- 787-1 - So	Planned	Variable/Rene	Economics or congestion
2014	WECC-US	AC	200-299	240	9/2015	237S	266S	39.2706472 OH	AESO	I		AltaLink - 100 1037-2 -- 787-1 - So	Planned	Variable/Rene	Economics or congestion
2014	WECC-US	AC	200-299	240	9/2015	266S	138S	39.2706472 OH	AESO	I		AltaLink - 100 1038-1 -- 787-1 - So	Planned	Variable/Rene	Economics or congestion
2014	WECC-US	AC	200-299	240	9/2015	237S	266S	39.2706472 OH	AESO	I		AltaLink - 100 1038-2 -- 787-1 - So	Planned	Variable/Rene	Economics or congestion
2014	WECC-US	AC	200-299	240	9/2015	59S	138S	4.349597 OH	AESO	I		AltaLink - 100 1048L-1 -- 787-1 - S	Planned	Variable/Rene	Economics or congestion
2014	WECC-US	AC	200-299	240	9/2015	59S	138S	4.349597 OH	AESO	I		AltaLink - 100 1049L-1 -- 787-1 - S	Planned	Variable/Rene	Economics or congestion
2014	WECC-US	AC	200-299	240	6/2015	102S	74S	11.184678 OH	AESO	I		AltaLink - 100 1064-1 -- 1117-4 - F	Planned	Reliability	Economics or congestion
2014	WECC-US	AC	200-299	240	6/2015	102S	74S	11.184678 OH	AESO	I		AltaLink - 100 1065-1 -- 1117-4 - F	Planned	Reliability	Economics or congestion
2014	WECC-US	AC	200-299	240	5/2015	63S	287S	22.2264407 OH	AESO	I		AltaLink - 100 1082-1 -- 813-34 - R	Planned	Economics or	Reliability
2014	WECC-US	AC	200-299	240	9/2015	63S	288S	59.3285031 OH	AESO	I		AltaLink - 100 1083-1 -- 813-32 - R	Planned	Economics or	Reliability
2014	WECC-US	AC	200-299	240	4/2015	324S	2075S	3.106855 OH	AESO	I		AltaLink - 100 1087L-1 -- 737-14 - I	Planned	Economic or c	Reliability
2014	WECC-US	AC	200-299	240	4/2015	324S	2075S	3.11306871 OH	AESO	I		AltaLink - 100 1088L-1 -- 737-13 - I	Planned	Economic or c	Reliability
2014	WECC-US	AC	200-299	240	5/2015	SS-65	237S	27.4645982 OH	AESO	I		AltaLink - 100 1106-1 -- 1117-1 - F	Planned	Reliability	Economics or congestion
2014	WECC-US	AC	200-299	240	5/2015	SS-65	237S	27.4645982 OH	AESO	I		AltaLink - 100 1107-1 -- 1117-1 - F	Planned	Reliability	Economics or congestion
2014	WECC-US	AC	200-299	240	11/2015	SS-65	SS-25	4.5360083 OH	AESO	I		AltaLink - 100 1109-1 -- 1117-2 - F	Planned	Reliability	Economics or congestion
2014	WECC-US	AC	200-299	240	7/2017	289S	89S	9.3827021 OH	AESO	I		AltaLink - 100 1112-1 -- 850-2 - So	Planned	Reliability	Economics or congestion
2014	WECC-US	AC	200-299	240	6/2015	170S	167S	13.670162 OH	AESO	I		AltaLink - 100 1116L-10A -- 1101-3	Planned	Reliability	Economics or congestion
2014	WECC-US	AC	200-299	240	4/2016	898S	167S	34.796776 OH	AESO	I		AltaLink - 100 1117L-10A -- 1101-5	Planned	Reliability	Economics or congestion
2014	WECC-US	AC	200-299	240	7/2017	367S	PETROLIA	13.670162 OH	AESO	I		AltaLink - 100 1139-1,1139-2 -- 85	Planned	Reliability	Economics or congestion
2014	WECC-US	AC	200-299	240	7/2017	289S	89S	9.3827021 OH	AESO	I		AltaLink - 100 1140-1 -- 850-2 - So	Planned	Reliability	Economics or congestion
2014	WECC-US	AC	400-599	500	10/2018	491S	1201L	3.728226 OH	AESO	I		AltaLink - 100 1201-2b -- 787-7 - S	Planned	Variable/Rene	Economics or congestion
2014	WECC-US	AC	400-599	500	10/2018	520S	491S	127.729023 OH	AESO	I		AltaLink - 100 1235-1,1235-2 -- 78	Planned	Variable/Rene	Economics or congestion
2014	WECC-US	AC	400-599	500	4/2015	12S	2029S	1.9647751 OH	AESO	I		ATCO Electric 12L70-1,12L70-2 --	Planned	Economic or c	Reliability
2014	WECC-US	AC	400-599	500	4/2015	12S	2029S	0.98238755 OH	AESO	I		ATCO Electric 12L85-1 -- 737-15 - I	Planned	Economic or c	Reliability
2014	WECC-US	AC	121-150	138	4/2016	255S	504S	38.7549093 OH	AESO	I		AltaLink - 100 161L-10A -- 787-11 -	Planned	Variable/Rene	Economics or congestion
2014	WECC-US	AC	121-150	138	7/2017	197S	289S	41.010486 OH	AESO	I		AltaLink - 100 174-1a -- 850-3 - So	Planned	Reliability	Economics or congestion
2014	WECC-US	AC	121-150	138	9/2017	SS-54	SS-41	6.49332695 OH	AESO	I		Enmax - 100% 41.84L-1 -- 1354-1 -	Planned	Economics or	Reliability
2014	WECC-US	AC	121-150	138	4/2015	639S	80L	23.6866625 OH	AESO	I		AltaLink - 100 418-01,418-02,418-	Planned	Economics or	Reliability
2014	WECC-US	AC	121-150	138	4/2015	281S	80L	14.5835774 OH	AESO	I		AltaLink - 100 418-04 -- 813-2 - Re	Planned	Economics or	Reliability
2014	WECC-US	AC	121-150	138	5/2015	214S	287S	1.864113 OH	AESO	I		AltaLink - 100 419-1 -- 813-34 - Re	Planned	Economics or	Reliability
2014	WECC-US	AC	121-150	138	5/2015	214S	287S	1.864113 OH	AESO	I		AltaLink - 100 420-1 -- 813-34 - Re	Planned	Economics or	Reliability
2014	WECC-US	AC	121-150	138	9/2015	331S	288S	1.864113 OH	AESO	I		AltaLink - 100 421-1 -- 813-32 - Re	Planned	Economics or	Reliability
2014	WECC-US	AC	121-150	138	9/2015	331S	288S	1.864113 OH	AESO	I		AltaLink - 100 422-1 -- 813-32 - Re	Planned	Economics or	Reliability
2014	WECC-US	AC	121-150	138	10/2016	212S	332S	8.55627867 OH	AESO	I		AltaLink - 100 423-1 -- 813-3 - Red	Planned	Economics or	Reliability
2014	WECC-US	AC	121-150	138	9/2015	194S	63S	3.05714532 OH	AESO	I		AltaLink - 100 426-1,426-2,426-3,4	Planned	Economics or	Reliability
2014	WECC-US	AC	121-150	138	9/2016	63S	247S	5.92787934 OH	AESO	I		AltaLink - 100 427-1,427-2 -- 813-1	Planned	Economics or	Reliability
2014	WECC-US	AC	121-150	138	6/2015	818S	167S	0.7456452 OH	AESO	I		AltaLink - 100 428L-10A -- 1101-3 -	Planned	Reliability	Economics or congestion
2014	WECC-US	AC	121-150	138	5/2015	65S	237S	11.1908917 OH	AESO	I		AltaLink - 100 434-1 -- 1117-1 - Fo	Planned	Reliability	Economics or congestion
2014	WECC-US	AC	121-150	138	7/2017	305S	367S	8.077823 OH	AESO	I		AltaLink - 100 446-1 -- 850-1 - Sou	Planned	Reliability	Economics or congestion
2014	WECC-US	AC	121-150	138	7/2017	434S	367S	8.1399601 OH	AESO	I		AltaLink - 100 452-1 -- 850-1 - Sou	Planned	Reliability	Economics or congestion
2014	WECC-US	AC	121-150	138	7/2017	305S	367S	8.077823 OH	AESO	I		AltaLink - 100 453-1 -- 850-1 - Sou	Planned	Reliability	Economics or congestion
2014	WECC-US	AC	121-150	138	7/2017	149S	289S	1.242742 OH	AESO	I		AltaLink - 100 454-1 -- 850-2 - Sou	Planned	Reliability	Economics or congestion
2014	WECC-US	AC	121-150	138	7/2017	149S	289S	1.242742 OH	AESO	I		AltaLink - 100 455-1 -- 850-2 - Sou	Planned	Reliability	Economics or congestion
2014	WECC-US	AC	121-150	138	6/2015	651S	167S	1.864113 OH	AESO	I		AltaLink - 100 457L-10A -- 1101-3 -	Planned	Reliability	Economics or congestion
2014	WECC-US	AC	121-150	138	9/2017	SS-54	SS-65	6.5243955 OH	AESO	I		Enmax - 100% 54.81L-1 -- 1354-1 -	Planned	Economics or	Reliability
2014	WECC-US	AC	121-150	138	9/2015	138S	603L	2.6718953 OH	AESO	I		AltaLink - 100 603-2a -- 787-1 - So	Planned	Variable/Rene	Economics or congestion
2014	WECC-US	AC	121-150	138	9/2015	138S	608AL	6.74187535 OH	AESO	I		AltaLink - 100 608L-1 -- 787-1 - So	Planned	Variable/Rene	Economics or congestion
2014	WECC-US	AC	121-150	138	11/2015	678S	237S	19.5110494 OH	AESO	I		AltaLink - 100 646-1 -- 1117-5 - Fo	Planned	Reliability	Economics or congestion
2014	WECC-US	AC	121-150	138	4/2016	649S	244S	0.7456452 OH	AESO	I		AltaLink - 100 674-10A,674-10B --	Planned	Variable/Rene	Economics or congestion
2014	WECC-US	AC	121-150	138	4/2016	523S	244S	31.06855 OH	AESO	I		AltaLink - 100 676-10A -- 787-6 - S	Planned	Variable/Rene	Economics or congestion
2014	WECC-US	DC	400-599	500	8/2015	2029S	28S	N/A OH	AESO	I		ATCO Electric 737 Energization 16	Planned	Economic or c	Reliability
2014	WECC-US	DC	400-599	500	6/2015	510S	511S	N/A OH	AESO	I		AltaLink - 100 737 WATL 500 kV Li	Planned	Economic or c	Reliability
2014	WECC-US	AC	121-150	138	7/2017	38S	522S	28.8005459 OH	AESO	I		AltaLink - 100 780-1a -- 850-3 - So	Planned	Reliability	Economics or congestion
2014	WECC-US	AC	121-150	138	10/2020	963S	763S	24.85484 OH	AESO	I		ATCO Electric 7L108-1 -- 1113-4 - I	Planned	Variable/Rene	Economics or congestion
2014	WECC-US	AC	121-150	138	4/2016	7LA139	819S	24.233469 OH	AESO	I		ATCO Electric 7L139-1 -- 811-4 - C	Planned	Variable/Rene	Economics or congestion
2014	WECC-US	AC	121-150	138	4/2016	7LA139	707S	28.583066 OH	AESO	I		ATCO Electric 7L139-2 -- 811-4 - C	Planned	Variable/Rene	Economics or congestion
2014	WECC-US	AC	121-150	138	10/2020	774S	932S	0.9941936 OH	AESO	I		ATCO Electric 7L141-1 -- 1113-5 - I	Planned	Variable/Rene	Economics or congestion
2014	WECC-US	AC	121-150	138	8/2015	875S	2011S	0.0621371 OH	AESO	I		ATCO Electric 7L170-1 -- 1267-1 -	Planned	Reliability	Economics or congestion
2014	WECC-US	AC	121-150	138	4/2016	700S	707S	43.49597 OH	AESO	I		ATCO Electric 7L70-1a -- 811-4 - C	Planned	Variable/Rene	Economics or congestion
2014	WECC-US	AC	121-150	138	11/2015	678S	525S	26.9799288 OH	AESO	I		AltaLink - 100 850-1a -- 1117-5 - F	Planned	Reliability	Economics or congestion

2014	WECC-US	AC	121-150	138	85-90	4/2016	253S	179S	32.3056997	OH	AESO	I	AltaLink - 100 876L-10A -- 787-11 - Planned	Variable/RenE Economics or congestion
2014	WECC-US	AC	121-150	138	96-150	9/2015	429S	288S	9.2584279	OH	AESO	I	AltaLink - 100 883-1a -- 813-32 - R Planned	Economics or Reliability
2014	WECC-US	AC	121-150	138	67-165	4/2016	895S	244S	39.5502642	OH	AESO	I	AltaLink - 100 892-10A,892-10B -- Planned	Variable/RenE Economics or congestion
2014	WECC-US	AC	200-299	240	466-599	7/2017	289S	288S	22.5557673	OH	AESO	I	AltaLink - 100 910-1a -- 850-2 - So Planned	Reliability Economics or congestion
2014	WECC-US	AC	200-299	240	341-488	9/2015	59S	237S	15.5094202	OH	AESO	I	AltaLink - 100 911-5d -- 787-1 - So Planned	Variable/RenE Economics or congestion
2014	WECC-US	AC	200-299	240	481-599	7/2017	289S	86S	19.8341623	OH	AESO	I	AltaLink - 100 914-1a -- 850-2 - So Planned	Reliability Economics or congestion
2014	WECC-US	AC	200-299	240	491-599	4/2015	356S	2075S	33.0382961	OH	AESO	I	AltaLink - 100 923L-1 -- 737-14 - N Planned	Economic or c Reliability
2014	WECC-US	AC	200-299	240	499-499	9/2015	370S	138S	33.7963687	OH	AESO	I	AltaLink - 100 967L-1 -- 787-1 - So Planned	Variable/RenE Economics or congestion
2014	WECC-US	AC	200-299	240	874-1103	1/2020	251S	251S	60.1859951	OH	AESO	I	AltaLink - 100 984-1 -- 787-10 - So Planned	Variable/RenE Economics or congestion
2014	WECC-US	AC	200-299	240	874-1103	1/2020	251S	251S	60.1859951	OH	AESO	I	AltaLink - 100 987-1 -- 787-10 - So Planned	Variable/RenE Economics or congestion
2014	WECC-US	AC	200-299	240	874-1103	1/2020	120S	251S	31.9943928	OH	AESO	I	AltaLink - 100 991-1 -- 787-8 - Sou Planned	Variable/RenE Economics or congestion
2014	WECC-US	AC	200-299	240	977-1334	10/2018	205S	491S	24.85484	OH	AESO	I	AltaLink - 100 992-1 -- 787-7 - Sou Planned	Variable/RenE Economics or congestion
2014	WECC-US	AC	200-299	240	549-759	8/2015	888S	2011S	58.9743216	OH	AESO	I	ATCO Electric 9L07-1 -- 1267-1 - A Planned	Reliability Economics or congestion
2014	WECC-US	AC	200-299	240	550-842	10/2018	951S	2011S	34.4923042	OH	AESO	I	ATCO Electric 9L07-2 -- 1186-1 - TI Planned	Reliability Economics or congestion
2014	WECC-US	AC	200-299	240	753-831	9/2016	888S	2079S	45.4843572	OH	AESO	I	ATCO Electric 9L08-1b -- 1180-2 - I Planned	Economic or c Reliability
2014	WECC-US	AC	200-299	240	416-632	10/2018	888S	951S	24.4820174	OH	AESO	I	ATCO Electric 9L30-1a,9L30-2a -- 1 Planned	Reliability Economics or congestion
2014	WECC-US	AC	200-299	240	753-1049	9/2020	946S	963S	20.7537914	OH	AESO	I	ATCO Electric 9L31-1 -- 1113-2 - H Planned	Variable/RenE Economics or congestion
2014	WECC-US	AC	200-299	240	753-1049	12/2020	972S	755S	8.077823	OH	AESO	I	ATCO Electric 9L49-1 -- 1113-1 - H Planned	Variable/RenE Economics or congestion
2014	WECC-US	AC	200-299	240	1309-144	3/2015	939S	960S	47.224196	OH	AESO	I	ATCO Electric 9L57-3a -- 1180-1 - I Planned	Economic or c Reliability
2014	WECC-US	AC	200-299	240	550-842	10/2018	848S	951S	18.7654042	OH	AESO	I	Unspecified E 9L58-1a -- 1186-1 - Planned	Reliability Economics or congestion
2014	WECC-US	AC	200-299	240	753-1049	10/2020	959S	946S	56.7498134	OH	AESO	I	ATCO Electric 9L65-1 -- 1113-3 - H Planned	Variable/RenE Economics or congestion
2014	WECC-US	AC	200-299	240	550-842	10/2018	888S	951S	24.4820174	OH	AESO	I	ATCO Electric 9L68-1 -- 1186-1 - TI Planned	Reliability Economics or congestion
2014	WECC-US	AC	200-299	240	416-527	3/2015	888S	960S	24.233469	OH	AESO	I	ATCO Electric 9L74-1 -- 1180-1 - N Planned	Economic or c Reliability
2014	WECC-US	AC	200-299	240	498-648	6/2015	898S	825S	44.6765749	OH	AESO	I	ATCO Electric 9L81-1 -- 1101-4 - CI Planned	Reliability Economics or congestion
2014	WECC-US	AC	200-299	240	550-842	8/2015	885S	2011S	46.2859258	OH	AESO	I	ATCO Electric 9L89-1 -- 1267-1 - A Planned	Reliability Economics or congestion
2014	WECC-US	AC	200-299	240	754-1147	3/2015	960S	2079S	49.70968	OH	AESO	I	ATCO Electric 9L95-1 -- 1180-1 - N Planned	Economic or c Reliability
2014	WECC-US	AC	400-599	500	3500-350	3/2019	GENESEE	951S	304.47179	OH	AESO	I	Unspecified E L1244-1 -- 838-2 - Fr Planned	Economic or c Reliability
2014	WECC-US	AC	200-299	240	1680-168	5/2019	939S	951S	62.1371	OH	AESO	I	Unspecified E L998-1 -- 838-1 - Fo Planned	Economic or c Reliability
2014	WECC-US	AC	400-599	400-599	3000 Amf	1/2015	Nicola BC	Meridian BC	153	NA	BCH	S	100 400-599 kV Line (5L) Planned	Economics or Other
2014	WECC-US	AC	200-299	200-299	2386 Amf	6/2015	Sundance, BC	Bear Mountain, BC	60.23	NA	BCH	S	100 Dawson Creek / Che Planned	Economics or Other
2014	WECC-US	AC	400-599	400-599		10/2018	Nichola, BC	Vassuax Lake, BC	0	NA	BCH	S	100 5L98 (50%) Series C Planned	Economics or Other
2014	WECC-US	AC	200-299	287		3/2015	Kitimat, BC	Kemano, BC	0	NA	RTA	I	100 Kitmat Kemano (35) Planned	Economics or Other
2014	WECC-US	AC	400-599	400-599		12/2023	Site C, BC	Peace Canyon	0	NA	BCH	S	100 5L5 and 5L6 (Site C) Planned	Economics or Other
2014	WECC-US	AC	200-299	200-299		6/2016	Ingledow, BC	Mclellan (via Fleetwood)	16	NA	BCH	S	100 Fraser Valley West F Planned	Economics or Other
2014	WECC-US	AC	200-299	200-299		10/2021	Horne Payne	West End (via Murrin, Cathe	10.4	NA	BCH	S	100 West End Substatio Planned	Economics or Other
2014	WECC-US	AC	400-599	400-599		10/2018	Williston, BC	Skeena, BC	0	NA	BCH	S	100 Prince George Terra Planned	Economics or Other
2014	WECC-US	AC	400-599	400-599		4/2023	Kenedy, BC	Mclise, BC	0	NA	BCH	S	100 Series Compensatio Planned	Economics or Other
2014	WECC-US	AC	200-299	200-299		6/2019	Skeena, BC	Kitimat, BC	39	NA	BCH	S	100 Terrace - Kitimat Tr Planned	Economics or Reliability
2014	WECC-US	AC	200-299	200-299		8/2015	George Tripp, BC	Horsy, BC	2.63	NA	BCH	S	100 Vancouver Island C Planned	Economics or Reliability
2014	WECC-US	AC	200-299	200-299		4/2019	Bob Quinn, BC	Bob Quinn, BC	0	NA	BCH	S	100 Bob Quinn SVC Add Planned	Economics or Other
2014	WECC-US	AC	200-299	200-299		4/2019	Skeena, BC	Treat Creek, BC	0	NA	BCH	S	100 Series Compensatio Planned	Economics or Other
2014	WECC-US	AC	200-299	200-299		3/2019	GMS, BC	Sundance, BC	53	NA	BCH	S	100 Peace Region Electri Planned	Economics or Other
2014	WECC-US	AC	400-599	400-599		4/2023	Williston, BC	Williston, BC	0	NA	BCH	S	100 Williston 500 kV Sh Planned	Economics or Other
2014	WECC-US	AC	200-299	200-299		10/2019	Coquitlam, BC	Vancouver, BC	18.7	NA	BCH	S	100 Metro North Area R Planned	Economics or Reliability
2014	WECC-US	AC	121-150	121-150		10/2015	Merritt, BC	Highland, BC	21.75	NA	BCH	S	100 Merritt Area Transr Planned	Economics or Other
2014	WECC-US	DC	400-599	400-599	3000	6/2015	GENESEE AB	102S	225	n/a	AESO	I	AltaLink - 100 737 - Edmonton to (Planned	Economics or Reliability
2014	WECC-US	DC	400-599	400-599	3000	12/2014	12S	28S	310	n/a	AESO	I	ATCO Electric 737 - Edmonton to (Planned	Economics or Reliability
2014	WECC-US	AC	400-599	400-599	3400-599	4/2017	GENESEE AB	939S	304	n/a	AESO	I	TBD 838 - Fort McMurra Planned	Economics or Reliability
2014	WECC-US	AC	400-599	400-599	3400-599	4/2017	939S	951S	304	n/a	AESO	I	TBD 838 - Fort McMurra Planned	Economics or Reliability
2014	WECC-US	AC	200-299	240	754	6/2014	12S	13S	17	n/a	AESO	I	ATCO Electric 629 - Heartland Tra Planned	Reliability Economics or Congestion
2014	WECC-US	AC	200-299	240	1275	7/2017	491S	312S	24	n/a	AESO	I	AltaLink - 100 787 - South Alberta Planned	Variable/RenE Economics or Congestion
2014	WECC-US	AC	200-299	240	1275	6/2014	312S	103S	24	n/a	AESO	I	AltaLink - 100 1343 - Fidler Substa Planned	Variable/RenE Economics or Congestion
2014	WECC-US	AC	200-299	240	1103	3/2018	103S	Etzicom Coulee	22	n/a	AESO	I	AltaLink - 100 787 - South Alberta Planned	Variable/RenE Economics or Congestion
2014	WECC-US	AC	200-299	240	1103	5/2017	Journault	120S	32	n/a	AESO	I	AltaLink - 100 787 - South Alberta Planned	Variable/RenE Economics or Congestion
2014	WECC-US	AC	200-299	240	1103	2/2015	Etzicom Coulee	Whitla	60	n/a	AESO	I	AltaLink - 100 787 - South Alberta Planned	Variable/RenE Economics or Congestion
2014	WECC-US	AC	200-299	240	1275	5/2017	Whitla	244S	55	n/a	AESO	I	AltaLink - 100 787 - South Alberta Planned	Variable/RenE Economics or Congestion
2014	WECC-US	AC	200-299	240	td	7/2015	59S	237S	150	n/a	AESO	I	AltaLink - 100 1116 - Foothills Area Planned	Variable/RenE Economics or Congestion
2014	WECC-US	AC	200-299	240	td	5/2015	237S	SS-65	29	n/a	AESO	I	AltaLink - 100 1117 - Foothills Are: Planned	Reliability Economics or Congestion
2014	WECC-US	AC	400-599	400-599	3000 Amf	1/2015	Nicola BC	Meridian BC	153	NA	BCH	S	100 400-599 kV Line (5L) Planned	Economics or Other
2014	WECC-US	AC	200-299	287	3004 Amf	5/2014	Skeena, BC	Bob Quinn, BC	340	NA	BCH	S	100 Northwest Transmis Planned	Economics or Other
2014	WECC-US	AC	200-299	200-299	2386 Amf	4/2015	Sundance, BC	Bear Mountain, BC	60.23	NA	BCH	S	100 Dawson Creek / Che Planned	Economics or Other
2014	WECC-US	AC	400-599	400-599		10/2014	Mica, BC	Nicola, BC	0	NA	BCH	S	100 5L71 and 5L72 (50%) Planned	Economics or Other
2014	WECC-US	AC	400-599	400-599		10/2018	Nichola, BC	Vassuax Lake, BC	0	NA	BCH	S	100 5L98 (50%) Series C Planned	Economics or Other
2014	WECC-US	AC	200-299	287		11/2014	Kitimat, BC	Kemano, BC	0	NA	RTA	I	100 Kitmat Kemano (35) Planned	Economics or Other
2014	WECC-US	AC	400-599	400-599		4/2021	Site C, BC	Peace Canyon	0	NA	BCH	S	100 5L5 and 5L6 (Site C) Planned	Economics or Other
2014	WECC-US	AC	200-299	200-299		10/2014	Ingledow, BC	Mclellan (via Fleetwood)	16	NA	BCH	S	100 Fraser Valley West F Planned	Economics or Other
2014	WECC-US	AC	200-299	200-299		10/2019	Horne Payne	West End (via Murrin, Cathe	10.4	NA	BCH	S	100 West End Substatio Planned	Economics or Other
2014	WECC-US	AC	121-150	121-150	865 Amp	12/2014	Ellison	Sexsmith	3.3	NA	FBC	I	100 Ellison to Sexsmith Planned	Reliability Other
2014	WECC-US	AC	400-599	400-599		6/2017	Williston, BC	Skeena, BC	0	NA	BCH	S	100 Prince George Terra Planned	Economics or Other
2014	WECC-US	AC	400-599	400-599		10/2022	Kenedy, BC	Mclise, BC	0	NA	BCH	S	100 Series Compensatio Planned	Economics or Other
2014	WECC-US	AC	200-299	200-299		6/2014	Bob Quinn, BC	Tatogga, BC	57	NA	BCH	S	100 Iskut Expansion proj Planned	Economics or Other
2014	WECC-US	AC	200-299	200-299		6/2019	Skeena, BC	Kitimat, BC	39	NA	BCH	S	100 Terrace - Kitimat Tr Planned	Economics or Reliability
2014	WECC-US	AC	200-299	200-299		8/2015	George Tripp, BC	Horsy, BC	2.63	NA	BCH	S	100 Vancouver Island C Planned	Economics or Reliability
2014	WECC-US	AC	200-299	200-299		11/2015	Bob Quinn, BC	Bob Quinn, BC	0	NA	BCH	S	100 Bob Quinn SVC Add Planned	Economics or Other
2014	WECC-US	AC	200-299	200-299		6/2018	Skeena, BC	Treat Creek, BC	0	NA	BCH	S	100 Series Compensatio Planned	Economics or Other
2014	WECC-US	AC	200-299	200-299		12/2018	GMS, BC	Sundance, BC	53	NA	BCH	S	100 Peace Region Electri Planned	Economics or Other
2014	WECC-US	AC	400-599	400-599		4/2023	Williston, BC	Williston, BC	0	NA	BCH	S	100 Williston 500 kV Sh Planned	Economics or Other

2014	WECC-US	AC	200-299	200-299		10/2018	Coquitlam,BC	Vancouver, BC	18.7	NA	BCH	S	100	Metro North Area R Planned	Economics or Reliability	
2014	WECC-US	AC	525	525	4936 @ -!	5/2021	Castle Rock, WA	Troutdale, OR	70	OH	1738	BPA	F	100	Castle Rock-Troutda Planned	Variable/RenE Economics or Congestion
2014	WECC-US	AC	525	525	4936 @ -!	12/2015	Clyde, WA	Central Ferry, WA	38	OH	1738	BPA	F	100	Central Ferry-Lower Under Constructio	Variable/RenE Economics or Congestion
2014	WECC-US	AC	115	115	TBD	11/2016	Caribu County, ID	Caribu County, ID	22	OH	1738	BPA	F	100	Hooper Springs-Low Planned	Reliability Reliability
2014	WECC-US	AC	525	525	4936 @ -!	11/2015	The Dalles, OR	Goldendale, WA	28	OH	1738	BPA	F	100	Big Eddy-Knight 500 Under Constructio	Variable/RenE Economics or Congestion
2014	WECC-US	AC	100-120	100-120	100 @ 86	6/2015	Rocky Reach	Chelan	29	OH	3413	CHPD	M	1	Rocky Reach-Chelan Under Constructio	Reliability Other
2014	WECC-US	AC	200-240	200-240	559 @ 86	2/2015	Rocky Reach	Columbia	21.4	OH	3413	CHPD	M	1	Rocky Reach-Colum Under Constructio	Reliability Other
2014	WECC-US	AC	200-299	200-299	555	3/2014	Douglas Switchyard	Rapids Switchyard	13	OH	5326	DOPD	M	100	Douglas-Rapids 200 Planned	Reliability Economics or Congestion
2014	WECC-US	AC	200-299	200-299	555	6/2016	Rapids Switchyard	Columbia Substation	9	OH	5326	DOPD	M	100	Rapids-Columbia 20 Planned	Reliability Economics or Congestion
2014	WECC-US	AC	100-120	100-120	100	12/2016	Watson Draw Tap Switch	Gold Creek Substation	13.68	OH	5286	OKPD	M	100	So. Pateros-Twisp 1 Planned	Reliability Economics
2014	WECC-US	AC	100-120	100-120	100	12/2016	Gold Creek Substation	Twisp Switchyard	14.48	OH	5286	OKPD	M	100	No. Pateros-Twisp 1 Planned	Reliability Economics
2014	WECC-US	AC	100-120	100-120	100	12/2019	Tonasket Switchyard	Aeneas Substation	16.05	OH	5286	OKPD	M	100	Tonasket/Aeneas 1C Conceptual	Reliability Economics
2014	WECC-US	AC	100-120	100-120	239	5/2017	Rocky Ford	Larson	7	OH		GCPD	M	1	Rocky Ford - Dover - Planned	Reliability Reliability
2014	WECC-US	AC	200-299	230	565	6/2018	Walters Ferry, ID	SW of Kuna, ID	13		9191	IPC	I	100	Hemingway-Boardn Conceptual	Other Other
2014	WECC-US	AC	400-599	500	3000	6/2020	Walters Ferry, ID	Boardman, OR	300		9191	IPC	I	unknown at t	Hemingway-Boardn Conceptual	Other Other
2014	WECC-US	AC	300-399	300-399	1386	6/2024	American Falls, ID	Pocatello, ID	32		9191	IPC	I	100	Gateway West Tran Conceptual	Other Other
2014	WECC-US	AC	300-399	400-599	2079	6/2024	Shoshone, ID	Pocatello, ID	-84		9191	IPC	I	100	Gateway West Tran Conceptual	Other Other
2014	WECC-US	AC	300-399	300-399	1386	6/2024	Shoshone, ID	Pocatello, ID	-32		9191	IPC	I	100	Gateway West Tran Conceptual	Other Other
2014	WECC-US	AC	400-599	500	3000	6/2024	Hollister, ID	Walters Ferry, ID	161		9191	IPC	I	unknown at t	Gateway West Tran Conceptual	Other Other
2014	WECC-US	AC	400-599	400-599	3000	6/2024	Downey, ID	American Falls, ID	55		9191	IPC	I	unknown at t	Gateway West Tran Conceptual	Other Other
2014	WECC-US	AC	400-599	400-599	3000	6/2024	Shoshone, ID	American Falls, ID	84		9191	IPC	I	100	Gateway West Tran Conceptual	Other Other
2014	WECC-US	AC	400-599	500	3000	6/2024	Hollister, ID	Shoshone, ID	34		9191	IPC	I	unknown at t	Gateway West Tran Conceptual	Other Other
2014	WECC-US	AC	400-599	500	3000	6/2024	Shoshone, ID	Walters Ferry, ID	126		9191	IPC	I	100	Gateway West Tran Conceptual	Other Other
2014	WECC-US	AC	121-150	138	287	6/2018	King, ID	Wood River, ID	59		9191	IPC	I	100	King-Wood River Re Planned	Reliability Other
2014	WECC-US	AC	121-150	138	90	6/2018	King, ID	Wood River, ID	-59		9191	IPC	I	100	King-Wood River Re Planned	Reliability Other
2014	WECC-US	AC	121-150	138	200	6/2020	Wood River, ID	Ketchum, ID	10		9191	IPC	I	100	Wood River-Ketchu Planned	Reliability Other
2014	WECC-US	AC	200-299	230	559	6/2018	SW of Kuna, ID	NE of Kuna, ID	16		9191	IPC	I	100	Bowmont-Hubbard Planned	Other Other
2014	WECC-US	AC	400-599	400-599	From 220	1/2018	Broadwater or Colstrip	Garrison- BPA Existing Line Existing Circuit			13902	NWMT	I	30	400-599 kV Upgrade Planned	Variable/RenE Economics or Congestion
2014	WECC-US	AC	300-399	300-399	1163	6/2015	Sigurd, UT	Central,UT	165		14354	PACE	I	100	Sigurd-Red Butte 30 Planned	Reliability Economics or Congestion
2014	WECC-US	AC	400-599	400-599	3681.5		Carbon County, WY	Mona, UT	400		14354	PACE	I	100	Aeolus-Clover 400-5 Planned	Economics or Variable/Renewable Integration
2014	WECC-US	AC	300-399	300-399	1332		South Jordan, UT	SLC,UT	28		14354	PACE	I	100	Qquirrh-Terminal 3C Planned	Economics or Reliability
2014	WECC-US	AC	200-299	200-299	888		Windstar,WY	Carbon County, WY	76		14354	PACE	I	100	Windstar-Aeolus 20 Planned	Economics or Congestion
2014	WECC-US	AC	400-599	400-599	3681.5		Carbon County, WY	Rock Springs, WY	154		14354	PACE	I	100	Aeolus-Anticline/Bri Planned	Economics or Congestion
2014	WECC-US	AC	400-599	400-599	3681.5		Rock Springs, WY	Downey, ID	203		14354	PACE	I	100	Anticline/Bridger-Pc Planned	Economics or Congestion
2014	WECC-US	AC	300-399	300-399	1163		Red Butte/Washington Coun	St. George, Utah Hurricane, U	170		14354	PACE	I	100	Red Butte - St. Geor Planned	Economics or Reliability
2014	WECC-US	AC	200-299	200-299	888		Aeolus, WY	Dave Johnston substation,W	70		14354	PACE	I	100	DJ- Aeolus 200-299 Planned	Economics or Congestion
2014	WECC-US	AC	121-150	121-150	200	11/2017	Evanston, WY	Park City, UT	70		14354	PACE	I	100	Southwest Wyoming Under Constructio	Reliability Economics or Congestion
2014	WECC-US	AC	121-150	121-150	200	11/2017	Heber, UT	Midway, UT	10		14354	PACE	I	100	Jordanelle - Midway Planned	Reliability
2014	WECC-US	AC	200-299	200-299	400-599	11/2017	Wallula	McNary	29.04	OH	14354	PACW	I	100	Wallula to McNary 2 Planned	Economics or Reliability
2014	WECC-US	AC	200-299	200-299	400-599	1/2018	Vantage	Pomona Heights	66.27	OH	14354	PACW	I	100	Vantage to Pomona Planned	Reliability Economics or Congestion
2014	WECC-US	AC	200-299	200-299	400-599	5/2019	Grants Pass New Substation	Grants Pass	17.5	OH	14354	PACW	I	100	Grants Pass New Su Planned	Reliability
2014	WECC-US	AC	200-299	200-299	574	6/2018	Blue Lake	Gresham	6.1	OH	15248	PGN	I	PGE 100 %	Blue Lake - Gresham Planned	Reliability Economics or Congestion
2014	WECC-US	AC	200-299	200-299	574	6/2018	Blue Lake	Troutdale	1.5	OH	15248	PGN	I	PGE 100 %	Blue Lake - Troutdal Planned	Reliability Economics or Congestion
2014	WECC-US	AC	200-299	200-299	574	6/2018	Blue Lake	Troutdale	1.5	OH	15248	PGN	I	PGE 100 %	Blue Lake - Troutdal Planned	Reliability Economics or Congestion
2014	WECC-US	AC	200-299	200-299	574	6/2018	Horizon	St. Mary's/Trojan	4.4	OH	15248	PGN	I	PGE 100 %	Horizon - St. Marys/ Planned	Reliability Economics or Congestion
2014	WECC-US	AC	100-120	100-120	168	6/2018	Harrison	Marquam	1.6	OH	15248	PGN	I	PGE 100 %	Harrison - Marquam Planned	Reliability Economics or Congestion
2014	WECC-US	AC	100-120	100-120	219	6/2019	Orenco	Sunset	2.7	OH	15248	PGN	I	PGE 100 %	Orenco - Sunset 10C Planned	Reliability Economics or Congestion
2014	WECC-US	AC	200-299	200-299	733	10/2016	Sumner WA	Puyallup WA	8		15400-599	PSE	I	100	Pierce County Planned	Reliability
2014	WECC-US	AC	100-120	100-120	314	11/2016	Kirkland WA	Sammamish WA	5.2		15400-599	PSE	I	100	North King County Planned	Reliability
2014	WECC-US	AC	100-120	100-120	314	11/2022	Federal Way WA	Puyallup WA	6.3		15400-599	PSE	I	100	South King County Planned	Reliability
2014	WECC-US	AC	100-120	100-120	314	11/2022	Berrydale WA	Enumclaw WA	18		15400-599	PSE	I	100	South King County Planned	Reliability
2014	WECC-US	AC	100-120	100-120	314	11/2020	Puyallup WA	Lacey WA	15		15400-599	PSE	I	100	Pierce and Thurston Planned	Reliability
2014	WECC-US	AC	100-120	100-120	TBD	11/2018	Lacey WA	Yelm WA	15		15400-599	PSE	I	100	Thurston County Planned	Reliability
2014	WECC-US	AC	100-120	100-120	TBD	11/2022	Ferndale WA	Custer WA	8		15400-599	PSE	I	100	Whatcom County Planned	Reliability
2014	WECC-US	AC	100-120	100-120	314	11/2024	Sumner WA	Auburn WA	2.5		15400-599	PSE	I	100	South King County Planned	Reliability
2014	WECC-US	AC	100-120	100-120	314	11/2022	Sumner WA	Auburn WA	2.3		15400-599	PSE	I	100	South King County Planned	Reliability
2014	WECC-US	AC	100-120	100-120	314	11/2023	Berrydale WA	Snoqualmie WA	10		15400-599	PSE	I	100	King County Planned	Reliability
2014	WECC-US	AC	100-120	100-120	314	11/2022	Sumas WA	Everson WA	10		15400-599	PSE	I	100	Whatcom County Planned	Reliability
2014	WECC-US	AC	100-120	100-120	314	11/2025	Renton WA	Bellevue WA	7		15400-599	PSE	I	100	King County Planned	Reliability
2014	WECC-US	AC	100-120	200-299	TBD	11/2018	Manchester WA	Poulsbo WA	15		15400-599	PSE	I	100	Kitsap County Planned	Reliability
2014	WECC-US	AC	200-299	200-299	TBD	11/2018	Sammamish WA	Renton WA	16		15400-599	PSE	I	100	King County Planned	Reliability
2014	WECC-US	AC	100-120	100-120	TBD	11/2023	Kenmore WA	Kirkland WA	4		15400-599	PSE	I	100	King County Planned	Reliability
2014	WECC-US	AC	200-299	200-299	1042	10/2014	Lacey WA	Lacey WA	10		15400-599	PSE	I	100	Thurston County Planned	Reliability
2014	WECC-US	AC	400-599	400-599	4936 @ -!	5/2021	Castle Rock, WA	Troutdale, OR	70	OH	1738	BPA	F	100	Castle Rock-Troutda Planned	Variable/RenE Economics or Congestion
2014	WECC-US	AC	400-599	400-599	4936 @ -!	12/2015	Clyde, WA	Central Ferry, WA	38	OH	1738	BPA	F	100	Lower Monumental Planned	Variable/RenE Economics or Congestion
2014	WECC-US	AC	121-150	138	TBD	11/2016	Caribu County, ID	Caribu County, ID	22	OH	1738	BPA	F	100	Hooper Springs-Low Planned	Reliability Reliability
2014	WECC-US	AC	400-599	400-599	4936 @ -!	11/2015	The Dalles, OR	Goldendale, WA	28	OH	1738	BPA	F	100	Big Eddy-Knight 500 Planned	Variable/RenE Economics or Congestion
2014	WECC-US	AC	100-120	100-120	TBD	12/2021	Rocky Reach	Chelan #1	29	OH	3413	CHPD	M	1	Rocky Reach-Chelan Conceptual	Reliability Other
2014	WECC-US	AC	200-299	200-299	555	3/2014	Douglas Switchyard	Rapids Switchyard	13	OH	5326	DOPD	M	100	Douglas-Rapids 200 Planned	Reliability Economics or Congestion
2014	WECC-US	AC	200-299	200-299	555	6/2016	Rapids Switchyard	Columbia Substation	9	OH	5326	DOPD	M	100	Rapids-Columbia 20 Planned	Reliability Economics or Congestion
2014	WECC-US	AC	100-120	100-120	100	12/2016	Watson Draw Tap Switch	Gold Creek Substation	13.68	OH	5286	OKPD	M	100	So. Pateros-Twisp 1 Planned	Reliability Economics
2014	WECC-US	AC	100-120	100-120	100	12/2016	Gold Creek Substation	Twisp Switchyard	14.48	OH	5286	OKPD	M	100	No. Pateros-Twisp 1 Planned	Reliability Economics
2014	WECC-US	AC	100-120	100-120	100	12/2019	Tonasket Switchyard	Aeneas Substation	16.05	OH	5286	OKPD	M	100	Tonasket/Aeneas 1C Conceptual	Reliability Economics
2014	WECC-US	AC	100-120	100-120	239	5/2017	Rocky Ford	Larson	7	OH		GCPD	M	1	Rocky Ford - Dover - Planned	Reliability Reliability
2014	WECC-US	AC	200-299	200-299	565	6/2018	Walters Ferry, ID	Bowmont, ID	13		9191	IPC	I	100	Hemingway-Boardn Conceptual	Other Other
2014	WECC-US	AC	400-599	400-599	3000	6/2020	Walters Ferry, ID	Boardman, OR	300		9191	IPC	I	unknown at t	Hemingway-Boardn Conceptual	Other Other
2014	WECC-US	AC	300-399	300-399	1386	6/2024	American Falls, ID	Pocatello, ID	32		9191	IPC	I	100	Gateway West Tran Conceptual	Other Other

2014	WECC-US	AC	300-399	400-599	2079	6/2024	Shoshone, ID	Pocatello, ID	-84	9191	IPC	I	100	Gateway West Tran	Conceptual	Other	Other	
2014	WECC-US	AC	300-399	300-399	1386	6/2024	Shoshone, ID	Pocatello, ID	-32	9191	IPC	I	100	Gateway West Tran	Conceptual	Other	Other	
2014	WECC-US	AC	400-599	400-599	3000	6/2019	Hollister, ID	Walters Ferry, ID	161	9191	IPC	I	unknown at t	Gateway West Tran	Conceptual	Other	Other	
2014	WECC-US	AC	400-599	400-599	3000	6/2019	Downey, ID	American Falls, ID	55	9191	IPC	I	unknown at t	Gateway West Tran	Conceptual	Other	Other	
2014	WECC-US	AC	400-599	400-599	3000	6/2019	Shoshone, ID	American Falls, ID	84	9191	IPC	I	100	Gateway West Tran	Conceptual	Other	Other	
2014	WECC-US	AC	400-599	400-599	3000	6/2019	Hollister, ID	Shoshone, ID	34	9191	IPC	I	unknown at t	Gateway West Tran	Conceptual	Other	Other	
2014	WECC-US	AC	400-599	400-599	3000	6/2021	Shoshone, ID	Walters Ferry, ID	126	9191	IPC	I	100	Gateway West Tran	Conceptual	Other	Other	
2014	WECC-US	AC	121-150		138	287	6/2014	Bowmont, ID	Nampa, ID	9	9191	IPC	I	100	Bowmont-Happy Va	Planned	Other	Other
2014	WECC-US	AC	121-150		138	287	6/2018	King, ID	Wood River, ID	59	9191	IPC	I	100	King-Wood River Re	Planned	Reliability	Other
2014	WECC-US	AC	121-150		138	90	6/2018	King, ID	Wood River, ID	-59	9191	IPC	I	100	King-Wood River Re	Planned	Reliability	Other
2014	WECC-US	AC	121-150		138	200	6/2020	Wood River, ID	Ketchum, ID	10	9191	IPC	I	100	Wood River-Ketchur	Planned	Reliability	Other
2014	WECC-US	AC	400-599	400-599	From 220	1/2018	Broadwater or Colstrip	Garrison- BPA Existing Line Existing Circuit		13902	NWMT	I	30	400-599 kV Upgrade	Planned	Variable/Rene	Economics or Congestion	
2014	WECC-US	AC	200-299	200-299	From 337	7/2014	Mill Creek, MT	AMPS Substation, ID Existing Circuit		13902	NWMT	I	100	Path 18 46 MW Upg	Planned	Economics or None		
2014	WECC-US	AC	300-399	300-399	1163	6/2015	Sigurd, UT	Central,UT	165	14354	PACE	I	100	Sigurd-Red Butte 30	Planned	Reliability	Economics or Congestion	
2014	WECC-US	AC	400-599	400-599	3681.5		Carbon County, WY	Mona, UT	400	14354	PACE	I	100	Aeolus-Clover 400-5	Planned	Economics or Variable/Renewable	Integration	
2014	WECC-US	AC	300-399	300-399	1332		South Jordan, UT	SLC,UT	28	14354	PACE	I	100	Oquirrh-Terminal 3	Planned	Economics or Reliability		
2014	WECC-US	AC	200-299	200-299	888		Windstar,WY	Carbon County, WY	76	14354	PACE	I	100	Windstar-Aeolus 20	Planned	Economics or Congestion		
2014	WECC-US	AC	400-599	400-599	3681.5		Carbon County, WY	Rock Springs, WY	154	14354	PACE	I	100	Aeolus-Anticline/Bri	Planned	Economics or Congestion		
2014	WECC-US	AC	400-599	400-599	3681.5		Rock Springs, WY	Downey, ID	203	14354	PACE	I	100	Anticline/Bridger-Pc	Planned	Economics or Congestion		
2014	WECC-US	AC	300-399	300-399	1163		Sigurd, UT	Hurricane, Utah	170	14354	PACE	I	100	Sigurd-Three Peaks-	Planned	Economics or Reliability		
2014	WECC-US	AC	200-299	200-299	888		Aeolus, WY	Dave Johnston substation,W	70	14354	PACE	I	100	DJ- Aeolus 200-299	Planned	Economics or Congestion		
2014	WECC-US	AC	200-299	200-299	400-599	12/2017	Wallula	McNary	29.04	OH	14354	PACW	I	100	Wallula to McNary 2	Planned	Economics or Reliability	
2014	WECC-US	AC	200-299	200-299	400-599	12/2016	Vantage	Pomona Heights	66.27	OH	14354	PACW	I	100	Vantage to Pomona	Planned	Reliability	Economics or Congestion
2014	WECC-US	AC	200-299	200-299	400-599	12/2019	Table Mtn	Grants Pass	17.5	OH	14354	PACW	I	100	Table Mtn to Grants	Planned	Reliability	
2014	WECC-US	AC	200-299	200-299	900	6/2018	Blue Lake	Gresham	6.1	OH	15248	PGN	I	PGE 100 %	Blue Lake - Gresham	Planned	Reliability	Economics or Congestion
2014	WECC-US	AC	200-299	200-299	797	6/2018	Blue Lake	Troutdale	1.5	OH	15248	PGN	I	PGE 100 %	Blue Lake - Troutdal	Planned	Reliability	Economics or Congestion
2014	WECC-US	AC	200-299	200-299	900	6/2018	Blue Lake	Troutdale	1.5	OH	15248	PGN	I	PGE 100 %	Blue Lake - Troutdal	Planned	Reliability	Economics or Congestion
2014	WECC-US	AC	200-299	200-299	900	6/2018	Horizon	St. Mary's/Trojan	4.4	OH	15248	PGN	I	PGE 100 %	Horizon - St. Mary's,	Planned	Reliability	Economics or Congestion
2014	WECC-US	AC	200-299	200-299	733	10/2016	Sumner WA	Puyallup WA	8	15400-599	PSE	I	100	Pierce County	Planned	Reliability		
2014	WECC-US	AC	100-120	100-120	314	11/2016	Kirkland WA	Sammamish WA	5.2	15400-599	PSE	I	100	North King County	Planned	Reliability		
2014	WECC-US	AC	100-120	100-120	314	11/2022	Federal Way WA	Puyallup WA	6.3	15400-599	PSE	I	100	South King County	Planned	Reliability		
2014	WECC-US	AC	100-120	100-120	314	11/2022	Berrydale WA	Enumclaw WA	18	15400-599	PSE	I	100	South King County	Planned	Reliability		
2014	WECC-US	AC	100-120	100-120	314	11/2020	Puyallup WA	Lacey WA	15	15400-599	PSE	I	100	Pierce and Thurston	Planned	Reliability		
2014	WECC-US	AC	100-120	100-120	TBD	11/2018	Lacey WA	Yelm WA	15	15400-599	PSE	I	100	Thurston County	Planned	Reliability		
2014	WECC-US	AC	100-120	100-120	TBD	11/2022	Ferndale WA	Custer WA	8	15400-599	PSE	I	100	Whatcom County	Planned	Reliability		
2014	WECC-US	AC	100-120	100-120	314	11/2024	Sumner WA	Auburn WA	2.5	15400-599	PSE	I	100	South King County	Planned	Reliability		
2014	WECC-US	AC	100-120	100-120	314	11/2022	Sumner WA	Auburn WA	2.3	15400-599	PSE	I	100	South King County	Planned	Reliability		
2014	WECC-US	AC	100-120	100-120	314	11/2023	Berrydale WA	Snoqualmie WA	10	15400-599	PSE	I	100	King County	Planned	Reliability		
2014	WECC-US	AC	100-120	100-120	314	11/2022	Sumas WA	Everson WA	10	15400-599	PSE	I	100	Whatcom County	Planned	Reliability		
2014	WECC-US	AC	100-120	100-120	314	11/2025	Renton WA	Bellevue WA	7	15400-599	PSE	I	100	King County	Planned	Reliability		
2014	WECC-US	AC	100-120	200-299	TBD	11/2018	Manchester WA	Poulsbo WA	15	15400-599	PSE	I	100	Kitsap County	Planned	Reliability		
2014	WECC-US	AC	200-299	200-299	TBD	11/2018	Sammamish WA	Renton WA	16	15400-599	PSE	I	100	King County	Planned	Reliability		
2014	WECC-US	AC	100-120	100-120	TBD	11/2023	Kenmore WA	Kirkland WA	4	15400-599	PSE	I	100	King County	Planned	Reliability		
2014	WECC-US	AC	200-299	200-299	TBD	10/2014	Lacey WA	Lacey WA	10	15400-599	PSE	I	100	Thurston County	Planned	Reliability		
2014	WECC-US	AC	100-120	100-120	150	1/2017	New Bowdoin Sub	Pump Station No. 9	48		CMEPC	C	100	Pump Station No.9	Planned	Reliability	Other-serve new load	
2014	WECC-US	AC	121-150			11/2016	Evanston, WY	Park City, UT	70	14354	PACE	I	100	Southwest Wyoming,	Planned	Reliability	Economics or Congestion	
2014	WECC-US	AC	200-299	200-299	576	6/2016	Rifle	Parachute	18	15466	PSC	I	100	Rifle - Parachute	Planned	Reliability		
2014	WECC-US	AC	300-399	300-399	1200	6/2019	Pawnee	Daniels Park	124	15466	PSC	I	100	Pawnee - Daniels Pa	Planned	Reliability		
2014	WECC-US	AC	200-299	300-399	(2) 613	9/2023	Alamosa County, CO	Huerfano County, CO	93	30151	TSGT	C / I	40 / 60	San Luis Valley-Calu	Conceptual	Reliability	Variable/Renewable Integration	
2014	WECC-US	AC	200-299	200-299		9/2017	Sidney, NB	Peetz, CO	5	30151	TSGT		100	Sidney-Peetz Logan	Planned	Reliability	Variable/Renewable Integration	
2014	WECC-US	AC	300-399	300-399		12/2023	Lamar, CO area	Denver, CO area	400-599	30151	TSGT		50	Lamar - Front Range	Conceptual	Reliability	Economics or Congestion	
2014	WECC-US	AC	100-120	100-120	219	12/2015	La Junta BHCE 100-120 kV b	La Junta TSGT 100-120 kV b	1	OH	20101	BHCE	I	50	La Junta Interconne	Planned	Reliability	
2014	WECC-US	AC	100-120	100-120	219	12/2015	Baculite Mesa 100-120 kV b	Overton 100-120 kV bus	4	OH	20101	BHCE	I	100	Baculite Mesa-Over	Planned	Reliability	
2014	WECC-US	AC	100-120	100-121	219	12/2015	Nyberg 115 kV	Boone 115 kV	11	OH	20101	BHCE	I		Boone-Nyberg 115 kV	Planned	Reliability	Economics or Congestion
2014	WECC-US	AC	100-120	100-122	219	12/2015	West Station 115 kV	Desert Cove 115 kV	4	OH	20101	BHCE	I		West Station-Desert	Planned	Reliability	Economics or Congestion
2014	WECC-US	AC	200-299	200-299	TBD	12/2023	Parachute	Rifle	31	OH	15466	PSC	I	100	Parachute - Cameo	Conceptual	Reliability	
2014	WECC-US	AC	200-299	200-299	576	6/2016	Arvada	Ridge	10	OH	15466	PSC	I	100	Cherokee - Ridge 23	Planned	Reliability	
2014	WECC-US	AC	100-120	100-120	TBD	6/2019	Glenwood	Rifle	26	OH	15466	PSC	I	100	Glenwood - Rifle Up	Conceptual	Reliability	
2014	WECC-US	AC	200-299	200-299		12/2017	Limon, CO	Calhan, CO	55	30151	TSGT		100	Big Sandy - Calhan 2	Planned	Reliability	Other	
2014	WECC-US	AC	100-120	100-120		12/2014	Monfort	DCP Substation	2.5	OH	15466	PSC	I		Monfort - DCP 115	Planned	Reliability	
2014	WECC-US	AC	100-120	100-120		12/2019	Gilman	Avon	12	OH	15466	or 8 PSC or HCE	I/C		Gilman - Avon 115	Conceptual	Reliability	
2014	WECC-US	AC	200-299	200-299		11/2018	Wheeler	Wolf Ranch	18.5	OH	15466	PSC	I		Wheeler - Middle Fc	Planned	Reliability	
2014	WECC-US	AC	100-120	100-120		12/2017	Poncha	Malta	52	OH	15466	PSC	I		Poncha - Malta 115	Planned	Reliability	
2014	WECC-US	AC	100-120	100-120		6/2015	Bruch	Brush	3	OH	15466	PSC	I		Brush - Brush SS 11	Planned	Reliability	
2014	WECC-US	AC	100-120	100-120	TBD	4/2016	Prairie Center	Bromley	4	OH	30151	TSGT			United Power Sys In	Under Constructor	Reliability	Economics or Congestion
2014	WECC-US	AC	100-120	100-120	TBD	12/2018	Sterling Ranch	Sterling Ranch Tap	3	OH	30151	TSGT			Sterling Ranch Tap 1	Planned	Reliability	
2014	WECC-US	AC	100-120	100-120	239	8/2016	Grandview 115kV	Compark 115kV	1.5	OH	IREA	C	100	Grandview-Compark	Planned	Reliability		
2014	WECC-US	AC	200-299	200-299	558	1/2016	Teckla 200-299 kV bus	Osage 200-299 kV bus	60		BHP	I	100	Teckla-Osage 200-2	Planned	Reliability		
2014	WECC-US	AC	200-299	200-299	558	1/2016	Osage 200-299 kV bus	Lange 200-299 kV bus	75		BHP	I	100	Osage-Lange 200-2	Planned	Reliability		
2014	WECC-US	AC	100-120	100-120	217/189	6/2015	South Cheyenne Sub	North Range Sub	13	OH	CLFP	I		South Cheyenne-No	Under Constructor	Reliability	Economics or Congestion	
2014	WECC-US	AC	200-299	200-299	613	9/2015	Shiprock, NM	La Plata County, CO	40	30151	TSGT	C	100	Shiprock-Kiffen Can	Planned	Reliability	Economics or Congestion	
2014	WECC-US	AC	200-299	200-299	613	12/2015	Burlington, CO	Wray, CO	56	30151	TSGT	C	100	Burlington-Wray 20	Planned	Economics or Reliability		
2014	WECC-US	AC	100-120	100-120	166	12/2016	Pagosa Springs, CO	To Be Determined	37	30151	TSGT	C	50	Pagosa-Ignacio 100-	Conceptual	Reliability	Economics or Congestion	
2014	WECC-US	AC	100-120	100-120	166	12/2016	Montrose, CO	Montrose County, CO	8	30151	TSGT	C	50	East Montrose-Sout	Conceptual	Reliability	Economics or Congestion	
2014	WECC-US	AC	200-299	200-299		9/2017	Sidney, NB	Peetz, CO	5	30151	TSGT		100	Sidney-Peetz Logan	Planned	Reliability	Variable/Renewable Integration	
2014	WECC-US	AC	300-399	300-399		12/2018	Lamar, CO area	Denver, CO area	400-599	30151	TSGT		50	Lamar - Front Range	Conceptual	Reliability	Economics or Congestion	
2014	WECC-US	AC	200-299	200-299		12/2017	Limon, CO	Calhan, CO	55	30151	TSGT		100	Big Sandy - Calhan 2	Planned	Reliability	Other	

2014	WECC-US	AC	200-299	200-299	576	10/2015	Rifle	Parachute	18	15466	PSC	I	100	Rifle - Parachute	Planned	Reliability	
2014	WECC-US	AC	300-399	300-399	1200	6/2019	Pawnee	Daniels Park	124	15466	PSC	I	100	Pawnee - Daniels Pa	Planned	Reliability	
2014	WECC-US	AC	300-399	300-399	(2) 1700	9/2023	Huerfano County, CO	Pueblo, CO	43	30151	TSGT	C / I	40 / 60	Calumet-Comanche	Conceptual	Reliability	Variable/Renewable Integration
2014	WECC-US	AC	200-299	200-299	613	9/2015	Huerfano County, CO	Pueblo, CO	7	30151	TSGT	C / I	40 / 60	Calumet-Walsenbur	Conceptual	Reliability	Variable/Renewable Integration
2014	WECC-US	AC	200-299	300-399	(2) 613	9/2023	Alamosa County, CO	Huerfano County, CO	93	30151	TSGT	C / I	40 / 60	San Luis Valley-Calu	Conceptual	Reliability	Variable/Renewable Integration
2014	WECC-US	AC	200-299	200-299		9/2017	Sidney, NB	Peetz, CO	5	30151	TSGT		100	Sidney-Peetz Logan	Planned	Reliability	Variable/Renewable Integration
2014	WECC-US	AC	300-399	300-399		12/2023	Lamar, CO area	Denver, CO area	400-599	30151	TSGT		50	Lamar - Front Range	Conceptual	Reliability	Economics or Congestion
2014	WECC-US	AC	100-120	100-120	219	12/2015	La Junta BHCE 100-120 kV b	La Junta TSGT 100-120 kV b	1 OH	20101	BHCE	I	50	La Junta Interconne	Planned	Reliability	
2014	WECC-US	AC	100-120	100-120	219	12/2015	Baculite Mesa 100-120 kV b	Overton 100-120 kV bus	4 OH	20101	BHCE	I	100	Baculite Mesa-Overl	Planned	Reliability	
2014	WECC-US	AC	100-120	100-121	219	12/2015	Nyberg 115 kV	Boone 115 kV	11 OH	20101	BHCE	I		Boone-Nyberg 115	Planned	Reliability	Economics or Congestion
2014	WECC-US	AC	100-120	100-122	219	12/2015	West Station 115 kV	Desert Cove 115 kV	4 OH	20101	BHCE	I		West Station-Desert	Planned	Reliability	Economics or Congestion
2014	WECC-US	AC	200-299	200-299	TBD	12/2023	Parachute	Rifle	31 OH	15466	PSC	I	100	Parachute - Cameo	Conceptual	Reliability	
2014	WECC-US	AC	200-299	200-299	576	6/2016	Arvada	Ridge	10 OH	15466	PSC	I	100	Cherokee - Ridge 23	Planned	Reliability	
2014	WECC-US	AC	100-120	100-120	TBD	6/2019	Glenwood	Rifle	26 OH	15466	PSC	I	100	Glenwood - Rifle Up	Planned	Reliability	
2014	WECC-US	AC	200-299	200-299		12/2017	Limon, CO	Calhan, CO	55	30151	TSGT		100	Big Sandy - Calhan 2	Planned	Reliability	Other
2014	WECC-US	AC	200-299	200-299	554	12/2014	Teckla 200-299 kV bus	Osage 200-299 kV bus	60		BHP	I	100	Teckla-Osage 200-2	Planned	Reliability	
2014	WECC-US	AC	200-299	200-299	554	12/2015	Osage 200-299 kV bus	Lange 200-299 kV bus	75		BHP	I	100	Osage-Lange 200-2	Planned	Reliability	
2014	WECC-US	AC	100-120	100-120	222	12/2014	Happy Jack Sub	North Range Sub	1		CLFP	I	100	Happy Jack-North R	Under Constructor	Reliability	
2014	WECC-US	AC	100-120	100-120	222	4/2014	Archer Sub	East Business Park Sub	1.25 OH		CLFP	I	100	CPGS Interconnecti	Under Constructor	Fossil-Fired	Integration
2014	WECC-US	AC	100-120	100-120	222	12/2014	South Cheyenne Sub	North Range Sub	13 OH		CLFP	I		South Cheyenne-No	Planned	Reliability	Economics or Congestion
2014	WECC-US	AC	200-299	200-299	613	9/2015	Shiprock, NM	La Plata County, CO	40	30151	TSGT	C	100	Shiprock-Kiffen Can	Planned	Reliability	Economics or Congestion
2014	WECC-US	AC	200-299	200-299	613	12/2015	Burlington, CO	Wray, CO	56	30151	TSGT	C	100	Burlington-Wray 20	Planned	Economics or	Reliability
2014	WECC-US	AC	100-120	100-120	166	12/2016	Pagosa Springs, CO	To Be Determined	37	30151	TSGT	C	50	Pagosa-Ignacio 100-	Conceptual	Reliability	Economics or Congestion
2014	WECC-US	AC	100-120	100-120	166	12/2016	Montrose, CO	Montrose County, CO	8	30151	TSGT	C	50	East Montrose-Sout	Conceptual	Reliability	Economics or Congestion
2014	WECC-US	AC	200-299	200-299		9/2017	Sidney, NB	Peetz, CO	5	30151	TSGT		100	Sidney-Peetz Logan	Planned	Reliability	Variable/Renewable Integration
2014	WECC-US	AC	300-399	300-399		12/2018	Lamar, CO area	Denver, CO area	400-599	30151	TSGT		50	Lamar - Front Range	Conceptual	Reliability	Economics or Congestion
2014	WECC-US	AC	200-299	200-299		12/2017	Limon, CO	Calhan, CO	55	30151	TSGT		100	Big Sandy - Calhan 2	Planned	Reliability	Other
2014	WECC-US	AC	400-599	400-599	2595	6/2016	Maricopa Co. AZ	Wintersburg AZ	15 OH	803	APS	I	APS-90%; CA Delaney - Palo Verdr	Planned	Economics or	Reliability	
2014	WECC-US	AC	200-299	200-299	2595	6/2016	Buckeye AZ	Surprise AZ	15 OH	803	APS	I	100	Sun Valley – Trilby V	Planned	Economics or	Reliability
2014	WECC-US	AC	400-599	400-599	1903	6/2015	Wintersburg AZ	Yuma AZ	100-120 OH	803	APS	I	APS - 80%; IIC Hassayampa - North	Planned	Economics or	Reliability	
2014	WECC-US	AC	200-299	200-299	1194	6/2015	Surprise AZ	Goodyear AZ	12 OH	803	APS	I	100	TS2– Palm Valley 20	Planned	Reliability	Economics or Congestion
2014	WECC-US	AC	200-299	200-299	1194	6/2015	Surprise AZ	Surprise AZ	12 OH	803	APS	I	100	TS2– Trilby Wash 20	Planned	Reliability	Economics or Congestion
2014	WECC-US	AC	400-599	400-599	2595	6/2018	Buckeye AZ	Peoria AZ	40 OH	803	APS	I	APS-90%; CA Sun Valley – Morgar	Planned	Economics or	Reliability	
2014	WECC-US	AC	400-599	400-599	2595	6/2016	Maricopa Co. AZ	Buckeye AZ	28 OH	803	APS	I	APS-90%; CA Delaney - Sun Valley	Planned	Economics or	Reliability	
2014	WECC-US	AC	200-299	200-299	2595	6/2018	Yuma AZ	Yuma AZ	13 OH	803	APS	I	100	North Gila - Orcharc	Planned	Economics or	Reliability
2014	WECC-US	AC	100-120	100-120	156.6	5/2016	Las Cruces, NM	Las Cruces, NM	32 OH	5701	EPE	I	100	Afton-Airport Jorna	Planned	Other	Load Growth
2014	WECC-US	AC	100-120	100-120	353	5/2016	El Paso, Tx	El Paso,Tx	2.5 OH	5701	EPE	I	100	Caliente-Montana 1	Planned	Reliability	Load Growth
2014	WECC-US	AC	100-120	100-120	353	5/2017	El Paso, Tx	El Paso,Tx	6 OH	5701	EPE	I	100	Montana-Montwoo	Planned	Reliability	Load Growth
2014	WECC-US	AC	100-120	100-120	156.6	5/2020	El Paso, Tx	El Paso,Tx	18 OH	5701	EPE	I	100	E1-E2 100-120 kV Li	Planned	Reliability	Load Growth
2014	WECC-US	AC	100-120	100-120	156.6	5/2020	El Paso, Tx	El Paso,Tx	4.3 OH	5701	EPE	I	100	E2-Horizon 100-120	Planned	Reliability	Load Growth
2014	WECC-US	AC	100-120	100-120	156.6	5/2021	El Paso, Tx	El Paso,Tx	12 OH	5701	EPE	I	100	E2-Felipe 100-120 k	Planned	Reliability	Load Growth
2014	WECC-US	AC	200-299		1166	12/2017	Dixieland Substation	Imperial Valley Substation	8 OH		Imperial Irrigation District			Imperial Valley-Dixie	Planned	Variable/Rene	Reliability
2014	WECC-US	AC	200-299		1166	12/2018	Highline Substation	El Centro Switching Station	20 OH		Imperial Irrigation District			Highline to El Centr	Planned	Variable/Rene	Reliability
2014	WECC-US	AC	200-299		1166	6/2019	Midway Substation	Bannister Substations	24 OH		Imperial Irrigation District			Midway-Hooper-Bai	Planned	Variable/Rene	Variable/Renewable Integration
2014	WECC-US	AC	200-299		1166	3/2016	IV Substation	Fern Station, Liebert Station	1.3 OH		Imperial Irrigation District			Imperial Valley Subs	Under Constructor	Variable/Rene	Reliability
2014	WECC-US	AC	200-299		1166	12/2018	El Centro Switching Station	Fern Switching Station	18 OH		Imperial Irrigation District			El Centro Switching	Planned	Variable/Rene	Reliability
2014	WECC-US	AC	200-299		1166	12/2019	North Gila Switching Station	Highline Substation	75 OH		Imperial Irrigation District			North Gila to Highlir	Planned	Variable/Rene	Reliability
2014	WECC-US	AC	200-299	200-299	1200	6/2023	Las Vegas NV	Las Vegas NV	1 OH	13407	NEVP	I	100	Sunrise 400-599 kV	Planned	Economics or	Congestion
2014	WECC-US	AC	200-299	200-299	1200	6/2023	Las Vegas NV	Las Vegas NV	1 OH	13407	NEVP	I	100	Sunrise 400-599 kV	Planned	Economics or	Congestion
2014	WECC-US	AC	200-299	200-299	810	6/2023	Las Vegas NV	Las Vegas NV	18 OH	13407	NEVP	I	100	Sunrise 400-599 kV	Planned	Economics or	Congestion
2014	WECC-US	AC	200-299	200-299	810	6/2023	Las Vegas NV	Las Vegas NV	18 OH	13407	NEVP	I	100	Sunrise 400-599 kV	Planned	Economics or	Congestion
2014	WECC-US	AC	200-299	200-299	810	6/2023	Las Vegas NV	Las Vegas NV	4 OH	13407	NEVP	I	100	Sunrise 400-599 kV	Planned	Economics or	Congestion
2014	WECC-US	AC	400-599	400-599	3000	6/2023	Las Vegas NV	Las Vegas NV	8 OH	13407	NEVP	I	100	Sunrise 400-599 kV	Planned	Economics or	Congestion
2014	WECC-US	AC	400-599	400-599	3000	6/2023	Las Vegas NV	Las Vegas NV	8 OH	13407	NEVP	I	100	Sunrise 400-599 kV	Planned	Economics or	Congestion
2014	WECC-US	AC	400-599	400-599	3000	6/2020	Las Vegas NV	Las Vegas NV	28 OH	13407	NEVP	I	100	Harry Allen - Northv	Conceptual	Variable/Rene	Economics or Congestion
2014	WECC-US	AC	400-599	400-599	3000	1/2016	Boulder City NV	Lathrop WellsNV	110 OH	13407	NEVP	I	0% (WAPA O) Mead - Amaragosa - Conceptual		Variable/Renewable	Integration	
2014	WECC-US	AC	400-599	400-599	3000	1/2020	Las Vegas NV	Lathrop WellsNV	75 OH	13407	NEVP	I	100	Northwest - Amargc	Conceptual	Variable/Renewable	Integration
2014	WECC-US	AC	400-599	400-599	TBD	6/2015	Las Vegas NV	Las Vegas NV	0 OH	13407	NEVP	I	100	Harry Allen / Eldora	Planned	Variable/Renewable	Integration
2014	WECC-US	AC	400-599	400-599	TBD	6/2020	Las Vegas NV	Las Vegas NV	0 OH	13407	NEVP	I	100	Harry Allen / Eldora	Planned	Variable/Renewable	Integration
2014	WECC-US	AC	200-299	200-299	810	6/2018	Las Vegas NV	Las Vegas NV	5 OH	13407	NEVP	I	100	Pecos - Brooks 200-	Planned	Economics or	Congestion
2014	WECC-US	AC	200-299	200-299	600	12/2016	Shiprock, NM	near Ignacio, CO	70	030102	TSGT	C	1	San Juan Basin Ener	Under Constructor	Reliability	Economics or Congestion
2014	WECC-US	AC	100-120	100-120	80	12/2015	Escalante, NM	Gallup ,NM	42	030102	TSGT	C	1	Escalante-Gallup 10	Under Constructor	Reliability	Economics or Congestion
2014	WECC-US	AC	100-120	100-120	200	9/2016	North	Montano	2.3	030105	PNM	I	1	Richmond Switching	Planned	Reliability	Other
2014	WECC-US	AC	100-120	100-120	285	6/2018	Buckman	White Rock	12	030106	Los Alamos C M		1	Los Alamos Service ,	Conceptual	Economics or	Other
2014	WECC-US	AC	100-120	100-120	285	6/2021	BA	STA	12	030106	Los Alamos C M		1	Los Alamos Service ,	Conceptual	Economics or	Other
2014	WECC-US	AC	300-399	300-399	1195	6/2015	San Juan	BA	N/A	030105	PNM	I	1	Rio Puerco Phase 2	Under Constructor	Reliability	
2014	WECC-US	AC	100-120	100-120	153	12/2015	near Las Cruces	Las Cruces, NM	3.4	030102	TSGT	C	1	Picacho - Las Cruces	Under Constructor	Reliability	Reliability
2014	WECC-US	AC	100-120	100-120	168	12/2018	near Caballo, NM	Mimbres Substation	57	030102	TSGT	C	1	Caballo-Mimbres 11	Under Constructor	Reliability	Reliability
2014	WECC-US	AC	100-120	100-120	240	12/2019	Gladstone, NM	Springer, NM	61	030102	TSGT	C	1	NENM Reliability Imj	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299	200-299	630	12/2021	San Luis Valey Co	near Carson, NM	TBD	030102	TSGT	C	1	Valley Corridor Tran	Planned	Reliability	Reliability
2014	WECC-US	AC	300-399	300-399	1195	9/2015	Four Corners	West Mesa	N/A	030105	PNM	I	1	Rio Puerco Phase 3	Under Constructor	Reliability	
2014	WECC-US	AC	200-299	200-299	875	6/2021	Gilbert AZ	Queen Creek AZ	8	16572	SRP	S	100% SRP	Ball to Pfister	Planned	Reliability	Fossil-Fired Integration
2014	WECC-US	AC	200-299	200-299	875	6/2021	Queen Creek AZ	Florence AZ	12	16572	SRP	S	100% SRP	Pfister to Abel	Planned	Reliability	Fossil-Fired Integration
2014	WECC-US	AC	400-599	400-599	3000	1/2016	Corona, NM	Coolidge AZ	400-599		SWPG SunZia	Other	Participation	SUNZIA SOUTHWES	Planned	Variable/Rene	Variable/Renewable Integration
2014	WECC-US	AC	200-299	200-299	875	4/2015	Mesa, AZ	Mesa AZ		16572	SRP	S	100% SRP	Rogers to Browning	Planned	Reliability	
2014	WECC-US	AC	200-299	200-302	TBD	4/2019	Pinal County, AZ	Ray, AZ		16572	SRP	S	100% SRP	Silver King to RS29	Conceptual	Reliability	
2014	WECC-US	AC	100-120	100-121	TBD	2/2019	Ray, AZ	Ray, AZ		16572	SRP	S	100% SRP	RS29 to RS30	Conceptual	Reliability	

2014	WECC-US	AC	400-599	400-599	TBD	12/2023	Wintersburg, AZ	Maricopa, AZ		16572	SRP	S	TBD	Hassayampa to Pina	Conceptual	Reliability	
2014	WECC-US	AC	400-599	400-599	TBD	12/2015	Goodyear, AZ			16572	SRP	S	TBD	Jojoba loop in of Ha	Conceptual	Reliability	
2014	WECC-US	AC	300-399	300-399	1195	6/2025	Vail, AZ	Tucson, AZ	11	24211	TEP	I	TBD	Vail - Irvington 300-	Conceptual	Other	Other
2014	WECC-US	AC	300-399	300-399	1195	6/2025	Tucson, AZ	Sahuarita, AZ	16	24211	TEP	I	TBD	Irvington - South 30	Conceptual	Other	Other
2014	WECC-US	AC	300-399	300-399	1195	6/2023	Red Rock, AZ	Marana, AZ	15	24211	TEP	I	TBD	Tortolita - North Loc	Conceptual	Other	Other
2014	WECC-US	AC	400-599	400-599	1732	5/2015	Nine Mile Corner, AZ	Red Rock, AZ	40	24211	TEP	I	TBD	Pinal Central - Torto	Planned	Reliability	Economics
2014	WECC-US	AC	400-599	400-599	TBD	6/2025	Red Rock, AZ	Benson, AZ	80	24211	TEP	i	TBD	Tortolita Saguaro - \	Conceptual	Other	Other
2014	WECC-US	AC	300-399	300-399	1195	6/2025	Vail, AZ	Sahuarita, AZ	14	24211	TEP	I	TBD	Vail - South 300-395	Conceptual	Other	Other
2014	WECC-US	AC	300-399	300-399	1195	6/2025	Springerville, AZ	Greenlee, AZ	110	24211	TEP	I	TBD	Springerville - Greer	Conceptual	Other	Other
2014	WECC-US	AC	300-399	300-399	1195	6/2025	Red Rock, AZ	Sahuarita, AZ	68	24211	TEP	I	TBD	Tortolita - South 30	Conceptual	Other	Other
2014	WECC-US	AC	300-399 or 400	300-399 or 400	TBD	6/2025	Phoenix, AZ	Sahuarita, AZ	68	24211	TEP	I	TBD	Westwing - South #:	Conceptual	Other	Other
2014	WECC-US	AC	200-299	300-399	(2) 613	9/2017	Alamosa County, CO	Huerfano County, CO	93	30151	TSGT	C / I	40 / 60	San Luis Valley-Calu	Planned	Reliability	Variable/Renewable Integration
2014	WECC-US	AC	100-120	200-299	319	5/2015	ED4	ED2	9.2		Western Area: F		100	ED4-ED2	Under Construction	Reliability	Economics or Congestion
2014	WECC-US	AC	151-199	200-299	279	5/2017	Parker	Headgate Rock	12.9		Western Area: F		100	Parker-Headgate Ro	Conceptual	Reliability	Economics or Congestion
2014	WECC-US	AC	100-120	100-120	151	6/2017	ED2	Saguaro	35.6		Western Area: F		100	ED2-Saguaro #2	Conceptual	Reliability	Other
2014	WECC-US	AC	100-120	200-299	88.6	6/2021	Coolidge	Oracle	44.7		Western Area: F		100	Coolidge-Oracle	Conceptual	Reliability	Economics or Congestion
2014	WECC-US	AC	200-299	200-299	319	6/2018	Pinal Central	ED5	18.4		Western Area: F		100	Pinal Central-ED5	Conceptual	Reliability	Economics or Congestion
2014	WECC-US	AC	200-299	200-299	355	6/2020	Rogers	Coolidge	39.9		Western Area: F		100	Rogers-Coolidge	Conceptual	Economics or Reliability	
2014	WECC-US	AC	200-299	200-299	377	6/2022	Lone Butte	Sundance	45.7		Western Area: F		100	Lone Butte-Sundanc	Conceptual	Economics or Reliability	
2014	WECC-US	AC	151-199	200-299	167	6/2021	Dome Tap	Gila	7.5		Western Area: F		100	Dome Tap-Gila	Conceptual	Reliability	Economics or Congestion
2014	WECC-US	AC	151-199	200-299	167	6/2023	Gila	Welton Mohawk	13		Western Area: F		100	Gila-Welton Mohaw	Conceptual	Reliability	Economics or Congestion
2014	WECC-US	AC	151-199	200-299	167	6/2025	Blythe	Gold Mine Tap	42		Western Area: F		100	Blythe-Gold Mine T:	Conceptual	Reliability	Economics or Congestion
2014	WECC-US	AC	151-199	200-299	167	6/2023	Gold Mine Tap	Knob	22		Western Area: F		100	Gold Mine Tap-Kno	Conceptual	Reliability	Economics or Congestion
2014	WECC-US	AC	400-599	400-599	1000	6/2016	Maricopa Co. AZ	Wintersburg AZ	15 OH	803	APS	I	APS-90%; CA	Delaney - Palo Ver	Planned	Economics or Reliability	
2014	WECC-US	AC	200-299	200-299	1200	6/2016	Buckeye AZ	Surprise AZ	15 OH	803	APS	I	100	Sun Valley – Trilby	V Planned	Economics or Reliability	
2014	WECC-US	AC	400-599	400-599	1200	6/2015	Wintersburg AZ	Yuma AZ	100-120 OH	803	APS	I	100	Palo Verde - North	C Planned	Economics or Reliability	
2014	WECC-US	AC	200-299	200-299	1200	6/2015	Surprise AZ	Goodyear AZ	12 OH	803	APS	I	100	TS2– Palm Valley	20 Planned	Reliability	Economics or Congestion
2014	WECC-US	AC	200-299	200-299	1200	6/2015	Surprise AZ	Surprise AZ	12 OH	803	APS	I	100	TS2– Trilby Wash	2C Planned	Reliability	Economics or Congestion
2014	WECC-US	AC	400-599	400-599	1200	6/2018	Buckeye AZ	Peoria AZ	40 OH	803	APS	I	APS-90%; CA	Sun Valley – Morgar	Planned	Economics or Reliability	
2014	WECC-US	AC	400-599	400-599	TBD	6/2016	Maricopa Co. AZ	Buckeye AZ	28 OH	803	APS	I	APS-90%; CA	Delaney - Sun Valley	Planned	Economics or Reliability	
2014	WECC-US	AC	200-299	200-299	TBD	6/2018	Yuma AZ	Yuma AZ	11 OH	803	APS	I	100	North Gila - TS8	20C Planned	Economics or Reliability	
2014	WECC-US	AC	100-120	100-120	156.6	5/2016	Las Cruces, NM	Las Cruces, NM	32 OH	5701	EPE	I	100	Afton-Airport-Leasb	Conceptual	Other	Load Growth
2014	WECC-US	AC	100-120	100-120	353	5/2014	El Paso, Tx	El Paso,Tx	2.5 OH	5701	EPE	I	100	Caliente-Montana 1	Planned	Reliability	Load Growth
2014	WECC-US	AC	100-120	100-120	353	5/2016	El Paso, Tx	El Paso,Tx	2.5 OH	5701	EPE	I	100	Caliente-Montana 1	Planned	Reliability	Load Growth
2014	WECC-US	AC	100-120	100-120	353	5/2017	El Paso, Tx	El Paso,Tx	6 OH	5701	EPE	I	100	Montana-Montwoo	Planned	Reliability	Load Growth
2014	WECC-US	AC	100-120	100-120	156.6	5/2021	El Paso, Tx	El Paso,Tx	10.8 OH	5701	EPE	I	100	Montana-Picante 1	C Planned	Reliability	Load Growth
2014	WECC-US	AC	100-120	100-120	156.6	5/2019	El Paso, Tx	El Paso,Tx	9.8 OH	5701	EPE	I	100	Montana-Pelicano 1	Planned	Reliability	Load Growth
2014	WECC-US	AC	100-120	100-120	156.6	5/2020	El Paso, Tx	El Paso,Tx	18 OH	5701	EPE	I	100	E1-E2 100-120 kV Li	Planned	Reliability	Load Growth
2014	WECC-US	AC	100-120	100-120	156.6	5/2020	El Paso, Tx	El Paso,Tx	4.3 OH	5701	EPE	I	100	E2-Horizon 100-120	Planned	Reliability	Load Growth
2014	WECC-US	AC	100-120	100-120	156.6	5/2021	El Paso, Tx	El Paso,Tx	12 OH	5701	EPE	I	100	E2-Felipe 100-120 k	Planned	Reliability	Load Growth
2014	WECC-US	AC	200-299	200-299	1200	6/2023	Las Vegas NV	Las Vegas NV	1 OH	13407	NEVP	I	100	Sunrise 400-599 kV	Planned	Economics or Congestion	
2014	WECC-US	AC	200-299	200-299	1200	6/2023	Las Vegas NV	Las Vegas NV	1 OH	13407	NEVP	I	100	Sunrise 400-599 kV	Planned	Economics or Congestion	
2014	WECC-US	AC	200-299	200-299	810	6/2023	Las Vegas NV	Las Vegas NV	18 OH	13407	NEVP	I	100	Sunrise 400-599 kV	Planned	Economics or Congestion	
2014	WECC-US	AC	200-299	200-299	810	6/2023	Las Vegas NV	Las Vegas NV	18 OH	13407	NEVP	I	100	Sunrise 400-599 kV	Planned	Economics or Congestion	
2014	WECC-US	AC	200-299	200-299	810	6/2023	Las Vegas NV	Las Vegas NV	4 OH	13407	NEVP	I	100	Sunrise 400-599 kV	Planned	Economics or Congestion	
2014	WECC-US	AC	400-599	400-599	3000	6/2023	Las Vegas NV	Las Vegas NV	8 OH	13407	NEVP	I	100	Sunrise 400-599 kV	Planned	Economics or Congestion	
2014	WECC-US	AC	400-599	400-599	3000	6/2023	Las Vegas NV	Las Vegas NV	8 OH	13407	NEVP	I	100	Sunrise 400-599 kV	Planned	Economics or Congestion	
2014	WECC-US	AC	400-599	400-599	3000	6/2020	Las Vegas NV	Las Vegas NV	28 OH	13407	NEVP	I	100	Harry Allen - Northv	Conceptual	Variable/Rene	Economics or Congestion
2014	WECC-US	AC	400-599	400-599	3000	1/2016	Boulder City NV	Lathrop WellsNV	110 OH	13407	NEVP	I	0% (WAPA O\ Mead -	Amaragosa -	Conceptual	Variable/Renewable Integration	
2014	WECC-US	AC	400-599	400-599	3000	1/2020	Las Vegas NV	Lathrop WellsNV	75 OH	13407	NEVP	I	100	Northwest - Amarg	C Conceptual	Variable/Renewable Integration	
2014	WECC-US	AC	400-599	400-599	TBD	6/2015	Las Vegas NV	Las Vegas NV	0 OH	13407	NEVP	I	100	Harry Allen / Eldora	Planned	Variable/Renewable Integration	
2014	WECC-US	AC	400-599	400-599	TBD	6/2020	Las Vegas NV	Las Vegas NV	0 OH	13407	NEVP	I	100	Harry Allen / Eldora	Planned	Variable/Renewable Integration	
2014	WECC-US	AC	200-299	200-299	810	6/2018	Las Vegas NV	Las Vegas NV	5 OH	13407	NEVP	I	100	Pecos - Brooks 200-	Planned	Economics or Congestion	
2014	WECC-US	AC	400-599	400-599	3000	6/2014	Ely NV	Boulder City NV	200-299 OH	17166	NEVP	I	0% (GBT O\W\ Robin	son - Eldorad	Planned	Variable/Rene	Economics or Congestion
2014	WECC-US	AC	400-599	400-599	3000	6/2014	Twin Falls ID	Ely NV	280 OH	17166	NEVP	I	0% (GBT O\W\ Robin	son - Midpoin	Conceptual	Variable/Rene	Economics or Congestion
2014	WECC-US	AC	100-120	120	200	6/2014	Bordertown, NV	Verdi, CA	12 OH	17166	NEVP	I	100	Cal Sub - Bordertow	Under Construction	Economics or Reliability	
2014	WECC-US	AC	200-299	200-299	600	12/2016	Shiprock, NM	near Ignacio, CO	70	030102	TSGT	C	1	San Juan Basin Ener	Under Construction	Reliability	Economics or Congestion
2014	WECC-US	AC	100-120	100-120	80	12/2015	Escalante, NM	Gallup ,NM	42	030102	TSGT	C	1	Escalante-Gallup 10	Under Construction	Reliability	Economics or Congestion
2014	WECC-US	AC	100-120	100-120	200	12/2015	North	Montano	2.3	030105	PNM	I	1	Sandia-North Line	Planned	Reliability	Other
2014	WECC-US	AC	100-120	100-120	285	6/2018	Buckman	White Rock	12	030106	Los Alamos C M		1	Los Alamos Service	Conceptual	Economics or Other	
2014	WECC-US	AC	100-120	100-120	285	6/2021	BA	STA	12	030106	Los Alamos C M		1	Los Alamos Service	Conceptual	Economics or Other	
2014	WECC-US	AC	300-399	300-399	1195	12/2015	San Juan	BA	N/A	030105	PNM	I	1	Rio Puerco Phase 2	Planned	Reliability	
2014	WECC-US	AC	100-120	100-120	153	12/2015	near Las Cruces	Las Cruces, NM	3.4	030102	TSGT	C	1	Picacho - Las Cruces	Under Construction	Reliability	Reliability
2014	WECC-US	AC	100-120	100-120	168	12/2018	near Caballo, NM	Mimbres Substation	57	030102	TSGT	C	1	Caballo-Mimbres 11	Under Construction	Reliability	Reliability
2014	WECC-US	AC	100-120	100-120	240	12/2019	Gladstone, NM	Springer, NM	61	030102	TSGT	C	1	NENM Reliability Imj	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299	200-299	630	12/2021	San Luis Valey Co	near Carson, NM	TBD	030102	TSGT	C	1	Valley Corridor Tran	Planned	Reliability	Reliability
2014	WECC-US	AC	300-399	300-399	1195	12/2015	Four Corners	West Mesa	N/A	030105	PNM	I	1	Rio Puerco Phase 3	Planned	Reliability	
2014	WECC-US	AC	100-120	100-120	200	12/2015	Rio Puerco	Progress	N/A	030105	PNM	I	1	Rio Puerco Progress	Planned	Reliability	
2014	WECC-US	AC	100-120	100-120	450	4/2014	San Juan	Ojo	N/A	030105	PNM	I	1	Jicarilla 345 kV Stati	Under Construction	Reliability	
2014	WECC-US	AC	200-299	400-599	1405	5/2014	Maricopa AZ	Mesa AZ	-87	16572	SRP	S	various	Southeast Valley Prc	Planned	Reliability	
2014	WECC-US	AC	400-599	400-599	1670	5/2014	Maricopa AZ	Mesa AZ	87	16572	SRP	S	various	Southeast Valley Prc	Planned	Reliability	
2014	WECC-US	AC	200-299	200-299	875	6/2021	Gilbert AZ	Queen Creek AZ	8	16572	SRP	S	100% SRP	Ball to Pfister	Planned	Reliability	Fossil-Fired Integration
2014	WECC-US	AC	200-299	200-299	875	6/2021	Queen Creek AZ	Florence AZ	12	16572	SRP	S	100% SRP	Pfister to Abel	Planned	Reliability	Fossil-Fired Integration
2014	WECC-US	AC	200-299	200-299	875	5/2014	Casa Grande, AZ	Coolidge AZ	21	16572	SRP	S	100% SRP	Desert Basin-Pinal	C Planned	Reliability	Fossil-Fired Integration
2014	WECC-US	AC	400-599	400-599	3000	1/2016	Corona, NM	Coolidge AZ	400-599		SWPG SunZia	Other	Participation	SUNZIA SOUTHWES	Planned	Variable/Rene	Variable/Renewable Integration
2014	WECC-US	AC	200-299	200-299	TBD		Chandler, AZ	Chandler, AZ	8	16572	SRP	S	100% SRP	Schrader to RS28	Planned	Reliability	
2014	WECC-US	AC	200-299	200-299	875	4/2016	Mesa, AZ	Gilbert, AZ		16572	SRP	S		Rogers to Santan	Conceptual	Reliability	

2014	WECC-US	AC	200-299		875	4/2014	Gilbert, AZ	Chandler, AZ	16572	SRP	S		Santan to Schrader	Planned	Reliability			
2014	WECC-US	AC	200-299		875	4/2014	Mesa, AZ	Coolidge AZ	16572	SRP	S		Browning to Pinal C	Under Constructio	Reliability	Fossil-Fired Integration		
2014	WECC-US	AC	200-299		1600	4/2018	Pinal County, AZ	Ray, AZ	16572	SRP	S		Silver King to RS29	Conceptual	Reliability			
2014	WECC-US	AC	100-120		340	2/2018	Ray, AZ	Ray, AZ	16572	SRP	S		RS29 to RS30	Conceptual	Reliability			
2014	WECC-US	AC	300-399	300-399	1195	6/2023	Vail, AZ	Tucson, AZ	24211	TEP	I	TBD	Vail - Irvington 300-	Conceptual	Other	Other		
2014	WECC-US	AC	300-399	300-399	1195	6/2023	Tucson, AZ	Sahuarita, AZ	24211	TEP	I	TBD	Irvington - South 30	Conceptual	Other	Other		
2014	WECC-US	AC	300-399	300-399	1195	6/2023	Red Rock, AZ	Marana, AZ	24211	TEP	I	TBD	Tortolita - North Loc	Conceptual	Other	Other		
2014	WECC-US	AC	400-599	400-599	1732	5/2016	Nine Mile Corner, AZ	Red Rock, AZ	24211	TEP	I	TBD	Pinal Central - Torto	Planned	Reliability	Economics		
2014	WECC-US	AC	400-599	400-599	TBD	6/2023	Red Rock, AZ	Benson, AZ	24211	TEP	i	TBD	Tortolita - Winchest	Conceptual	Other	Other		
2014	WECC-US	AC	300-399	300-399	1195	6/2023	Vail, AZ	Sahuarita, AZ	24211	TEP	I	TBD	Vail - South 300-395	Conceptual	Other	Other		
2014	WECC-US	AC	300-399	300-399	1195	6/2023	Springerville, AZ	Greenlee, AZ	24211	TEP	I	TBD	Springerville - Greer	Conceptual	Other	Other		
2014	WECC-US	AC	300-399	300-399	1195	6/2023	Red Rock, AZ	Sahuarita, AZ	24211	TEP	I	TBD	Tortolita - South 300	Conceptual	Other	Other		
2014	WECC-US	AC	300-399	300-399 or 40	TBD	6/2023	Phoenix, AZ	Sahuarita, AZ	24211	TEP	I	TBD	Westwing - South #.	Conceptual	Other	Other		
2014	WECC-US	AC	200-299	300-399	(2) 613	9/2017	Alamosa County, CO	Huerfano County, CO	30151	TSGT	C / I	40 / 60	San Luis Valley-Calu	Planned	Reliability	Variable/Renewable Integration		
2014	WECC-US	AC	100-120	200-299		12/2015	ED4	ED2	9.2		Western Area: F		100 ED4-ED2	Planned	Reliability	Economics or Congestion		
2014	WECC-US	AC	100-120	200-299		1/2024	Coolidge	Valley Farms	5.2		Western Area: F		100 Coolidge-Valley Farr	Conceptual	Reliability	Economics or Congestion		
2014	WECC-US	AC	151-199	200-299		1/2016	Parker	Headgate Rock	14		Western Area: F		100 Parker-Headgate Ro	Conceptual	Reliability	Other		
2014	WECC-US	AC	151-199	200-299		1/2020	Headgate Rock	Bouse	18		Western Area: F		100 Headgate Rock-Bou	Conceptual	Reliability	Other		
2014	WECC-US	AC	100-120	100-120	200	1/2018	Oracle	Tucson	15.8		Western Area: F		100 Oracle - Tucson	Conceptual	Reliability	Economics or Congestion		
2014	WECC-US	AC	151-199	200-299	478	1/2024	Parker	Blythe	54.7		Western Area: F		100 Blythe - Parker	Conceptual	Reliability	Economics or Congestion		
2014	WECC-US	AC	100-120	200-299		1/2020	Tucson	Nogales	20.4		Western Area: F		100 Tucson-Nogales	Conceptual	Reliability	Economics or Congestion		
2014	WECC-US	AC	100-120	200-299		12/2019	Saguaro	Tucson	35.4		Western Area: F		100 Saguaro-Tucson	Conceptual	Reliability	Economics or Congestion		
2014	WECC-US	AC	151-199	200-299	478	1/2023	Gila	Knob	20		Western Area: F		100 Gila -Knob	Conceptual	Reliability	Economics or Congestion		
2014	WECC-US	AC	100-120	200-299		1/2022	Nogales	Apache	59.2		Western Area: F		100 Nogales-Apache	Conceptual	Reliability	Economics or Congestion		
2014	WECC-US	AC	100-120	200-299		1/2023	Saguaro	Oracle	19		Western Area: F		100 Saguaro-Oracle	Conceptual	Reliability	Economics or Congestion		
2014	WECC-US	AC	151-199	200-299	478	1/2018	Blythe	Headgate Rock	19		Western Area: F		100 Blythe - Headgate R	Conceptual	Reliability	Other		
2014	WECC-US	AC	200-299		1500	4/2015	Coachella Valley Substation	Mirage Substation	20	OH	Imperial Irrigation District		Path 42 (IID Portior	Under Constructio	Variable/Rene	Reliability		
2014	WECC-US	AC	525	525	4936 @ -!	5/2021	Castle Rock, WA	Troutdale, OR	70	OH	1738	BPA	F	100 Castle Rock-Troutda	Planned	Variable/Rene	Economics or Congestion	
2014	WECC-US	AC	525	525	4936 @ -!	12/2015	Clyde, WA	Central Ferry, WA	38	OH	1738	BPA	F	100 Central Ferry-Lower	Under Constructio	Variable/Rene	Economics or Congestion	
2014	WECC-US	AC	115	115	TBD	11/2016	Caribu County, ID	Caribu County, ID	22	OH	1738	BPA	F	100 Hooper Springs-Low	Planned	Reliability	Reliability	
2014	WECC-US	AC	525	525	4936 @ -!	11/2015	The Dalles, OR	Goldendale, WA	28	OH	1738	BPA	F	100 Big Eddy-Knight 500	Under Constructio	Variable/Rene	Economics or Congestion	
2014	WECC-US	AC	100-120	100-120	100 @ 86	6/2015	Rocky Reach	Chelan	29	OH	3413	CHPD	M	1 Rocky Reach-Chelan	Under Constructio	Reliability	Other	
2014	WECC-US	AC	200-240	200-240	559 @ 86	2/2015	Rocky Reach	Columbia	21.4	OH	3413	CHPD	M	1 Rocky Reach-Colum	Under Constructio	Reliability	Other	
2014	WECC-US	AC	200-299	200-299	555	3/2014	Douglas Switchyard	Rapids Switchyard	13	OH	5326	DOPD	M	100 Douglas-Rapids 200	Planned	Reliability	Economics or Congestion	
2014	WECC-US	AC	200-299	200-299	555	6/2016	Rapids Switchyard	Columbia Substation	9	OH	5326	DOPD	M	100 Rapids-Columbia 20	Planned	Reliability	Economics or Congestion	
2014	WECC-US	AC	100-120	100-120	100	12/2016	Watson Draw Tap Switch	Gold Creek Substation	13.68	OH	5286	OKPD	M	100 So. Pateros-Twisp 1	Planned	Reliability	Economics	
2014	WECC-US	AC	100-120	100-120	100	12/2016	Gold Creek Substation	Twisp Switchyard	14.48	OH	5286	OKPD	M	100 No. Pateros-Twisp 1	Planned	Reliability	Economics	
2014	WECC-US	AC	100-120	100-120	100	12/2019	Tonasket Switchyard	Aeneas Substation	16.05	OH	5286	OKPD	M	100 Tonasket/Aeneas 1C	Conceptual	Reliability	Economics	
2014	WECC-US	AC	100-120	100-120	239	5/2017	Rocky Ford	Larson	7	OH		GCPD	M	1 Rocky Ford - Dover	Planned	Reliability	Reliability	
2014	WECC-US	AC	200-299		230	565	6/2018	Walters Ferry, ID	SW of Kuna, ID	13		9191	IPC	I	100 Hemingway-Boardr	Conceptual	Other	Other
2014	WECC-US	AC	400-599		500	3000	6/2020	Walters Ferry, ID	Boardman, OR	300		9191	IPC	I	unknown at t Hemingway-Boardr	Conceptual	Other	Other
2014	WECC-US	AC	300-399	300-399	1386	6/2024	American Falls, ID	Pocatello, ID	32		9191	IPC	I	100 Gateway West Tran	Conceptual	Other	Other	
2014	WECC-US	AC	300-399	400-599	2079	6/2024	Shoshone, ID	Pocatello, ID	-84		9191	IPC	I	100 Gateway West Tran	Conceptual	Other	Other	
2014	WECC-US	AC	300-399	300-399	1386	6/2024	Shoshone, ID	Pocatello, ID	-32		9191	IPC	I	100 Gateway West Tran	Conceptual	Other	Other	
2014	WECC-US	AC	400-599		500	3000	6/2024	Hollister, ID	Walters Ferry, ID	161		9191	IPC	I	unknown at t Gateway West Tran	Conceptual	Other	Other
2014	WECC-US	AC	400-599	400-599	3000	6/2024	Downey, ID	American Falls, ID	55		9191	IPC	I	unknown at t Gateway West Tran	Conceptual	Other	Other	
2014	WECC-US	AC	400-599	400-599	3000	6/2024	Shoshone, ID	American Falls, ID	84		9191	IPC	I	100 Gateway West Tran	Conceptual	Other	Other	
2014	WECC-US	AC	400-599		500	3000	6/2024	Hollister, ID	Shoshone, ID	34		9191	IPC	I	unknown at t Gateway West Tran	Conceptual	Other	Other
2014	WECC-US	AC	400-599		500	3000	6/2024	Shoshone, ID	Walters Ferry, ID	126		9191	IPC	I	100 Gateway West Tran	Conceptual	Other	Other
2014	WECC-US	AC	121-150		138	287	6/2018	King, ID	Wood River, ID	59		9191	IPC	I	100 King-Wood River Re	Planned	Reliability	Other
2014	WECC-US	AC	121-150		138	90	6/2018	King, ID	Wood River, ID	-59		9191	IPC	I	100 King-Wood River Re	Planned	Reliability	Other
2014	WECC-US	AC	121-150		138	200	6/2020	Wood River, ID	Ketchum, ID	10		9191	IPC	I	100 Wood River-Ketchur	Planned	Reliability	Other
2014	WECC-US	AC	200-299		230	559	6/2018	SW of Kuna, ID	NE of Kuna, ID	16		9191	IPC	I	100 Bowmont-Hubbard	Planned	Other	Other
2014	WECC-US	AC	400-599	400-599	From 220	1/2018	Broadwater or Colstrip	Garrison- BPA	Existing Line Existing Circuit	13902	NWMT	I	30 400-599 kV Upgrade	Planned	Variable/Rene	Economics or Congestion		
2014	WECC-US	AC	300-399	300-399	1163	6/2015	Sigurd, UT	Central,UT	165		14354	PACE	I	100 Sigurd-Red Butte 30	Planned	Reliability	Economics or Congestion	
2014	WECC-US	AC	400-599	400-599	3681.5		Carbon County, WY	Mona, UT	400		14354	PACE	I	100 Aeolus-Clover 400-5	Planned	Economics or	Variable/Renewable Integration	
2014	WECC-US	AC	300-399	300-399	1332		South Jordan, UT	SLC,UT	28		14354	PACE	I	100 Oquirrh-Terminal 3C	Planned	Economics or	Reliability	
2014	WECC-US	AC	200-299	200-299	888		Windstar,WY	Carbon County, WY	76		14354	PACE	I	100 Windstar-Aeolus 20	Planned	Economics or	Congestion	
2014	WECC-US	AC	400-599	400-599	3681.5		Carbon County, WY	Rock Springs, WY	154		14354	PACE	I	100 Aeolus-Anticline/Bri	Planned	Economics or	Congestion	
2014	WECC-US	AC	400-599	400-599	3681.5		Rock Springs, WY	Downey, ID	203		14354	PACE	I	100 Anticline/Bridger-Pc	Planned	Economics or	Congestion	
2014	WECC-US	AC	300-399	300-399	1163		Red Butte/Washington Coun	St. George, Utah	Hurricane, U	170		14354	PACE	I	100 Red Butte - St. Geor	Planned	Economics or	Reliability
2014	WECC-US	AC	200-299	200-299	888		Aeolus, WY	Dave Johnston substation,W	70		14354	PACE	I	100 DJ- Aeolus 200-299	Planned	Economics or	Congestion	
2014	WECC-US	AC	121-150	121-150	200	11/2017	Evanston, WY	Park City, UT	70		14354	PACE	I	100 Southwest Wyoming	Under Constructio	Reliability	Economics or Congestion	
2014	WECC-US	AC	121-150	121-150	200	11/2017	Heber, UT	Midway, UT	10		14354	PACE	I	100 Jordanelle - Midway	Planned	Reliability		
2014	WECC-US	AC	200-299	200-299	400-599	11/2017	Wallula	McNary	29.04	OH	14354	PACW	I	100 Wallula to McNary	Planned	Economics or	Reliability	
2014	WECC-US	AC	200-299	200-299	400-599	1/2018	Vantage	Pomona Heights	66.27	OH	14354	PACW	I	100 Vantage to Pomona	Planned	Reliability	Economics or Congestion	
2014	WECC-US	AC	200-299	200-299	400-599	5/2019	Grants Pass New Substation	Grants Pass	17.5	OH	14354	PACW	I	100 Grants Pass New Su	Planned	Reliability		
2014	WECC-US	AC	200-299	200-299	574	6/2018	Blue Lake	Gresham	6.1	OH	15248	PGN	I	PGE 100 % Blue Lake - Gresham	Planned	Reliability	Economics or Congestion	
2014	WECC-US	AC	200-299	200-299	574	6/2018	Blue Lake	Troutdale	1.5	OH	15248	PGN	I	PGE 100 % Blue Lake - Troutdal	Planned	Reliability	Economics or Congestion	
2014	WECC-US	AC	200-299	200-299	574	6/2018	Blue Lake	Troutdale	1.5	OH	15248	PGN	I	PGE 100 % Blue Lake - Troutdal	Planned	Reliability	Economics or Congestion	
2014	WECC-US	AC	200-299	200-299	574	6/2018	Horizon	St. Mary's/Trojan	4.4	OH	15248	PGN	I	PGE 100 % Horizon - St. Marys/	Planned	Reliability	Economics or Congestion	
2014	WECC-US	AC	100-120	100-120	168	6/2018	Harrison	Marquam	1.6	OH	15248	PGN	I	PGE 100 % Harrison - Marquam	Planned	Reliability	Economics or Congestion	
2014	WECC-US	AC	100-120	100-120	219	6/2019	Orenco	Sunset	2.7	OH	15248	PGN	I	PGE 100 % Orenco - Sunset 10C	Planned	Reliability	Economics or Congestion	
2014	WECC-US	AC	200-299	200-299	733	10/2016	Sumner WA	Puyallup WA	8		15400-599	PSE	I	100 Pierce County	Planned	Reliability		
2014	WECC-US	AC	100-120	100-120	314	11/2016	Kirkland WA	Sammamish WA	5.2		15400-599	PSE	I	100 North King County	Planned	Reliability		
2014	WECC-US	AC	100-120	100-120	314	11/2022	Federal Way WA	Puyallup WA	6.3		15400-599	PSE	I	100 South King County	Planned	Reliability		
2014	WECC-US	AC	100-120	100-120	314	11/2022	Berrydale WA	Enumclaw WA	18		15400-599	PSE	I	100 South King County	Planned	Reliability		

2014	WECC-US	AC	100-120	100-120	314	11/2020	Puyallup WA	Lacey WA	15	15400-599 PSE	I	100	Pierce and Thurston	Planned	Reliability
2014	WECC-US	AC	100-120	100-120	TBD	11/2018	Lacey WA	Yelm WA	15	15400-599 PSE	I	100	Thurston County	Planned	Reliability
2014	WECC-US	AC	100-120	100-120	TBD	11/2022	Ferndale WA	Custer WA	8	15400-599 PSE	I	100	Whatcom County	Planned	Reliability
2014	WECC-US	AC	100-120	100-120	314	11/2024	Sumner WA	Auburn WA	2.5	15400-599 PSE	I	100	South King County	Planned	Reliability
2014	WECC-US	AC	100-120	100-120	314	11/2022	Sumner WA	Auburn WA	2.3	15400-599 PSE	I	100	South King County	Planned	Reliability
2014	WECC-US	AC	100-120	100-120	314	11/2023	Berrydale WA	Snoqualmie WA	10	15400-599 PSE	I	100	King County	Planned	Reliability
2014	WECC-US	AC	100-120	100-120	314	11/2022	Sumas WA	Everson WA	10	15400-599 PSE	I	100	Whatcom County	Planned	Reliability
2014	WECC-US	AC	100-120	100-120	314	11/2025	Renton WA	Bellevue WA	7	15400-599 PSE	I	100	King County	Planned	Reliability
2014	WECC-US	AC	100-120	200-299	TBD	11/2018	Manchester WA	Poulsbo WA	15	15400-599 PSE	I	100	Kitsap County	Planned	Reliability
2014	WECC-US	AC	200-299	200-299	TBD	11/2018	Sammamish WA	Renton WA	16	15400-599 PSE	I	100	King County	Planned	Reliability
2014	WECC-US	AC	100-120	100-120	TBD	11/2023	Kenmore WA	Kirkland WA	4	15400-599 PSE	I	100	King County	Planned	Reliability
2014	WECC-US	AC	200-299	200-299	1042	10/2014	Lacey WA	Lacey WA	10	15400-599 PSE	I	100	Thurston County	Planned	Reliability
2014	WECC-US	AC	400-599	400-599	4936 @ -!	5/2021	Castle Rock, WA	Troutdale, OR	70 OH	1738 BPA	F	100	Castle Rock-Troutda	Planned	Variable/RenE Economics or Congestion
2014	WECC-US	AC	400-599	400-599	4936 @ -!	12/2015	Clyde, WA	Central Ferry, WA	38 OH	1738 BPA	F	100	Lower Monumental	Planned	Variable/RenE Economics or Congestion
2014	WECC-US	AC	121-150		138 TBD	11/2016	Caribu County, ID	Caribu County, ID	22 OH	1738 BPA	F	100	Hooper Springs-Low	Planned	Reliability Reliability
2014	WECC-US	AC	400-599	400-599	4936 @ -!	11/2015	The Dalles, OR	Goldendale, WA	28 OH	1738 BPA	F	100	Big Eddy-Knight 500	Planned	Variable/RenE Economics or Congestion
2014	WECC-US	AC	100-120	100-120	TBD	12/2021	Rocky Reach	Chelan #1	29 OH	3413 CHPD	M	1	Rocky Reach-Chelan	Conceptual	Reliability Other
2014	WECC-US	AC	200-299	200-299	555	3/2014	Douglas Switchyard	Rapids Switchyard	13 OH	5326 DOPD	M	100	Douglas-Rapids 200	Planned	Reliability Economics or Congestion
2014	WECC-US	AC	200-299	200-299	555	6/2016	Rapids Switchyard	Columbia Substation	9 OH	5326 DOPD	M	100	Rapids-Columbia 20	Planned	Reliability Economics or Congestion
2014	WECC-US	AC	100-120	100-120	100	12/2016	Watson Draw Tap Switch	Gold Creek Substation	13.68 OH	5286 OKPD	M	100	So. Pateros-Twisp 11	Planned	Reliability Economics
2014	WECC-US	AC	100-120	100-120	100	12/2016	Gold Creek Substation	Twisp Switchyard	14.48 OH	5286 OKPD	M	100	No. Pateros-Twisp 1	Planned	Reliability Economics
2014	WECC-US	AC	100-120	100-120	100	12/2019	Tonasket Switchyard	Aeneas Substation	16.05 OH	5286 OKPD	M	100	Tonasket/Aeneas 1C	Conceptual	Reliability Economics
2014	WECC-US	AC	100-120	100-120	239	5/2017	Rocky Ford	Larson	7 OH	GCPD	M	1	Rocky Ford - Dover	Planned	Reliability Reliability
2014	WECC-US	AC	200-299	200-299	565	6/2018	Walters Ferry, ID	Bowmont, ID	13	9191 IPC	I	100	Hemingway-Boardn	Conceptual	Other Other
2014	WECC-US	AC	400-599	400-599	3000	6/2020	Walters Ferry, ID	Boardman, OR	300	9191 IPC	I	unknown at t	Hemingway-Boardn	Conceptual	Other Other
2014	WECC-US	AC	300-399	300-399	1386	6/2024	American Falls, ID	Pocatello, ID	32	9191 IPC	I	100	Gateway West Tran	Conceptual	Other Other
2014	WECC-US	AC	300-399	400-599	2079	6/2024	Shoshone, ID	Pocatello, ID	-84	9191 IPC	I	100	Gateway West Tran	Conceptual	Other Other
2014	WECC-US	AC	300-399	300-399	1386	6/2024	Shoshone, ID	Pocatello, ID	-32	9191 IPC	I	100	Gateway West Tran	Conceptual	Other Other
2014	WECC-US	AC	400-599	400-599	3000	6/2019	Hollister, ID	Walters Ferry, ID	161	9191 IPC	I	unknown at t	Gateway West Tran	Conceptual	Other Other
2014	WECC-US	AC	400-599	400-599	3000	6/2019	Downey, ID	American Falls, ID	55	9191 IPC	I	unknown at t	Gateway West Tran	Conceptual	Other Other
2014	WECC-US	AC	400-599	400-599	3000	6/2019	Shoshone, ID	American Falls, ID	84	9191 IPC	I	100	Gateway West Tran	Conceptual	Other Other
2014	WECC-US	AC	400-599	400-599	3000	6/2019	Hollister, ID	Shoshone, ID	34	9191 IPC	I	unknown at t	Gateway West Tran	Conceptual	Other Other
2014	WECC-US	AC	400-599	400-599	3000	6/2021	Shoshone, ID	Walters Ferry, ID	126	9191 IPC	I	100	Gateway West Tran	Conceptual	Other Other
2014	WECC-US	AC	121-150		138 287	6/2014	Bowmont, ID	Nampa, ID	9	9191 IPC	I	100	Bowmont-Happy Va	Planned	Other Other
2014	WECC-US	AC	121-150		138 287	6/2018	King, ID	Wood River, ID	59	9191 IPC	I	100	King-Wood River Re	Planned	Reliability Other
2014	WECC-US	AC	121-150		138 90	6/2018	King, ID	Wood River, ID	-59	9191 IPC	I	100	King-Wood River Re	Planned	Reliability Other
2014	WECC-US	AC	121-150		138 200	6/2020	Wood River, ID	Ketchum, ID	10	9191 IPC	I	100	Wood River-Ketchur	Planned	Reliability Other
2014	WECC-US	AC	400-599	400-599	From 220	1/2018	Broadwater or Colstrip	Garrison- BPA Existing Line	Existing Circuit	13902 NWMT	I	30	400-599 kV Upgrade	Planned	Variable/RenE Economics or Congestion
2014	WECC-US	AC	200-299	200-299	From 337	7/2014	Mill Creek, MT	AMPS Substation, ID	Existing Circuit	13902 NWMT	I	100	Path 18 46 MW Upg	Planned	Economics or None
2014	WECC-US	AC	300-399	300-399	1163	6/2015	Sigurd, UT	Central,UT	165	14354 PACE	I	100	Sigurd-Red Butte 30	Planned	Reliability Economics or Congestion
2014	WECC-US	AC	400-599	400-599	3681.5		Carbon County, WY	Mona, UT	400	14354 PACE	I	100	Aeolus-Clover 400-5	Planned	Economics or Variable/Renewable Integration
2014	WECC-US	AC	300-399	300-399	1332		South Jordan, UT	SLC,UT	28	14354 PACE	I	100	Oquirrh-Terminal 3C	Planned	Economics or Reliability
2014	WECC-US	AC	200-299	200-299	888		Windstar,WY	Carbon County, WY	76	14354 PACE	I	100	Windstar-Aeolus 20	Planned	Economics or Congestion
2014	WECC-US	AC	400-599	400-599	3681.5		Carbon County, WY	Rock Springs, WY	154	14354 PACE	I	100	Aeolus-Anticline/Bri	Planned	Economics or Congestion
2014	WECC-US	AC	400-599	400-599	3681.5		Rock Springs, WY	Downey, ID	203	14354 PACE	I	100	Anticline/Bridger-Pc	Planned	Economics or Congestion
2014	WECC-US	AC	300-399	300-399	1163		Sigurd, UT	Hurricane, Utah	170	14354 PACE	I	100	Sigurd-Three Peaks-	Planned	Economics or Reliability
2014	WECC-US	AC	200-299	200-299	888		Aeolus, WY	Dave Johnston substation,W	70	14354 PACE	I	100	DJ- Aeolus 200-299	Planned	Economics or Congestion
2014	WECC-US	AC	200-299	200-299	400-599	12/2017	Wallula	McNary	29.04 OH	14354 PACW	I	100	Wallula to McNary 2	Planned	Economics or Reliability
2014	WECC-US	AC	200-299	200-299	400-599	12/2016	Vantage	Pomona Heights	66.27 OH	14354 PACW	I	100	Vantage to Pomona	Planned	Reliability Economics or Congestion
2014	WECC-US	AC	200-299	200-299	400-599	12/2019	Table Mtn	Grants Pass	17.5 OH	14354 PACW	I	100	Table Mtn to Grants	Planned	Reliability
2014	WECC-US	AC	200-299	200-299	900	6/2018	Blue Lake	Gresham	6.1 OH	15248 PGN	I	PGE 100 %	Blue Lake - Gresham	Planned	Reliability Economics or Congestion
2014	WECC-US	AC	200-299	200-299	797	6/2018	Blue Lake	Troutdale	1.5 OH	15248 PGN	I	PGE 100 %	Blue Lake - Troutdal	Planned	Reliability Economics or Congestion
2014	WECC-US	AC	200-299	200-299	900	6/2018	Blue Lake	Troutdale	1.5 OH	15248 PGN	I	PGE 100 %	Blue Lake - Troutdal	Planned	Reliability Economics or Congestion
2014	WECC-US	AC	200-299	200-299	900	6/2018	Horizon	St. Mary's/Trojan	4.4 OH	15248 PGN	I	PGE 100 %	Horizon - St. Mary's,	Planned	Reliability Economics or Congestion
2014	WECC-US	AC	200-299	200-299	733	10/2016	Sumner WA	Puyallup WA	8	15400-599 PSE	I	100	Pierce County	Planned	Reliability
2014	WECC-US	AC	100-120	100-120	314	11/2016	Kirkland WA	Sammamish WA	5.2	15400-599 PSE	I	100	North King County	Planned	Reliability
2014	WECC-US	AC	100-120	100-120	314	11/2022	Federal Way WA	Puyallup WA	6.3	15400-599 PSE	I	100	South King County	Planned	Reliability
2014	WECC-US	AC	100-120	100-120	314	11/2022	Berrydale WA	Enumclaw WA	18	15400-599 PSE	I	100	South King County	Planned	Reliability
2014	WECC-US	AC	100-120	100-120	314	11/2020	Puyallup WA	Lacey WA	15	15400-599 PSE	I	100	Pierce and Thurston	Planned	Reliability
2014	WECC-US	AC	100-120	100-120	TBD	11/2018	Lacey WA	Yelm WA	15	15400-599 PSE	I	100	Thurston County	Planned	Reliability
2014	WECC-US	AC	100-120	100-120	TBD	11/2022	Ferndale WA	Custer WA	8	15400-599 PSE	I	100	Whatcom County	Planned	Reliability
2014	WECC-US	AC	100-120	100-120	314	11/2024	Sumner WA	Auburn WA	2.5	15400-599 PSE	I	100	South King County	Planned	Reliability
2014	WECC-US	AC	100-120	100-120	314	11/2022	Sumner WA	Auburn WA	2.3	15400-599 PSE	I	100	South King County	Planned	Reliability
2014	WECC-US	AC	100-120	100-120	314	11/2023	Berrydale WA	Snoqualmie WA	10	15400-599 PSE	I	100	King County	Planned	Reliability
2014	WECC-US	AC	100-120	100-120	314	11/2022	Sumas WA	Everson WA	10	15400-599 PSE	I	100	Whatcom County	Planned	Reliability
2014	WECC-US	AC	100-120	100-120	314	11/2025	Renton WA	Bellevue WA	7	15400-599 PSE	I	100	King County	Planned	Reliability
2014	WECC-US	AC	100-120	200-299	TBD	11/2018	Manchester WA	Poulsbo WA	15	15400-599 PSE	I	100	Kitsap County	Planned	Reliability
2014	WECC-US	AC	200-299	200-299	TBD	11/2018	Sammamish WA	Renton WA	16	15400-599 PSE	I	100	King County	Planned	Reliability
2014	WECC-US	AC	100-120	100-120	TBD	11/2023	Kenmore WA	Kirkland WA	4	15400-599 PSE	I	100	King County	Planned	Reliability
2014	WECC-US	AC	200-299	200-299	TBD	10/2014	Lacey WA	Lacey WA	10	15400-599 PSE	I	100	Thurston County	Planned	Reliability
2014	WECC-US	AC	100-120	100-120	150	1/2017	New Bowdoin Sub	Pump Station No. 9	48	CMEPC	C	100	Pump Station No.9	Planned	Reliability Other-serve new load
2014	WECC-US	AC	121-150			11/2016	Evanston, WY	Park City, UT	70	14354 PACE	I	100	Southwest Wyoming,	Planned	Reliability Economics or Congestion
2014	WECC-US	AC	400-599	400-599	2595	6/2016	Maricopa Co. AZ	Wintersburg AZ	15 OH	803 APS	I	APS-90%; CA Delaney - Palo Verde	Planned	Economics or Reliability	
2014	WECC-US	AC	200-299	200-299	2595	6/2016	Buckeye AZ	Surprise AZ	15 OH	803 APS	I	100	Sun Valley - Trilby V	Planned	Economics or Reliability
2014	WECC-US	AC	400-599	400-599	1903	6/2015	Wintersburg AZ	Yuma AZ	100-120 OH	803 APS	I	APS - 80%; IIC Hassayampa - North	Planned	Economics or Reliability	
2014	WECC-US	AC	200-299	200-299	1194	6/2015	Surprise AZ	Goodyear AZ	12 OH	803 APS	I	100	TS2- Palm Valley 20	Planned	Reliability Economics or Congestion
2014	WECC-US	AC	200-299	200-299	1194	6/2015	Surprise AZ	Surprise AZ	12 OH	803 APS	I	100	TS2- Trilby Wash 2C	Planned	Reliability Economics or Congestion

2014	WECC-US	AC	400-599	400-599	2595	6/2018	Buckeye AZ	Peoria AZ	40 OH	803 APS	I	APS-90%; CA Sun Valley – Morgar Planned	Economics or Reliability	
2014	WECC-US	AC	400-599	400-599	2595	6/2016	Maricopa Co. AZ	Buckeye AZ	28 OH	803 APS	I	APS-90%; CA Delaney - Sun Valley Planned	Economics or Reliability	
2014	WECC-US	AC	200-299	200-299	2595	6/2018	Yuma AZ	Yuma AZ	13 OH	803 APS	I	100 North Gila - Orcharc Planned	Economics or Reliability	
2014	WECC-US	AC	100-120	100-120	156.6	5/2016	Las Cruces, NM	Las Cruces, NM	32 OH	5701 EPE	I	100 Afton-Airport Jorna Planned	Other Load Growth	
2014	WECC-US	AC	100-120	100-120	353	5/2016	El Paso, Tx	El Paso,Tx	2.5 OH	5701 EPE	I	100 Caliente-Montana 1 Planned	Reliability Load Growth	
2014	WECC-US	AC	100-120	100-120	353	5/2017	El Paso, Tx	El Paso,Tx	6 OH	5701 EPE	I	100 Montana-Montwoo Planned	Reliability Load Growth	
2014	WECC-US	AC	100-120	100-120	156.6	5/2020	El Paso, Tx	El Paso,Tx	18 OH	5701 EPE	I	100 E1-E2 100-120 kV Li Planned	Reliability Load Growth	
2014	WECC-US	AC	100-120	100-120	156.6	5/2020	El Paso, Tx	El Paso,Tx	4.3 OH	5701 EPE	I	100 E2-Horizon 100-120 Planned	Reliability Load Growth	
2014	WECC-US	AC	100-120	100-120	156.6	5/2021	El Paso, Tx	El Paso,Tx	12 OH	5701 EPE	I	100 E2-Felipe 100-120 k Planned	Reliability Load Growth	
2014	WECC-US	AC	200-299		1166	12/2017	Dixieland Substation	Imperial Valley Substation	8 OH			Imperial Irrigation District	Variable/Rene Reliability	
2014	WECC-US	AC	200-299		1166	12/2018	Highline Substation	El Centro Switching Station	20 OH			Imperial Irrigation District	Variable/Rene Reliability	
2014	WECC-US	AC	200-299		1166	6/2019	Midway Substation	Bannister Substations	24 OH			Imperial Irrigation District	Variable/Rene Variable/Renewable Integration	
2014	WECC-US	AC	200-299		1166	3/2016	IV Substation	Fern Station, Liebert Station	1.3 OH			Imperial Irrigation District	Variable/Rene Reliability	
2014	WECC-US	AC	200-299		1166	12/2018	El Centro Switching Station	Fern Switching Station	18 OH			Imperial Irrigation District	Variable/Rene Reliability	
2014	WECC-US	AC	200-299		1166	12/2019	North Gila Switching Station	Highline Substation	75 OH			Imperial Irrigation District	Variable/Rene Reliability	
2014	WECC-US	AC	200-299	200-299	1200	6/2023	Las Vegas NV	Las Vegas NV	1 OH	13407 NEVP	I	100 Sunrise 400-599 kV Planned	Economics or Congestion	
2014	WECC-US	AC	200-299	200-299	1200	6/2023	Las Vegas NV	Las Vegas NV	1 OH	13407 NEVP	I	100 Sunrise 400-599 kV Planned	Economics or Congestion	
2014	WECC-US	AC	200-299	200-299	810	6/2023	Las Vegas NV	Las Vegas NV	18 OH	13407 NEVP	I	100 Sunrise 400-599 kV Planned	Economics or Congestion	
2014	WECC-US	AC	200-299	200-299	810	6/2023	Las Vegas NV	Las Vegas NV	18 OH	13407 NEVP	I	100 Sunrise 400-599 kV Planned	Economics or Congestion	
2014	WECC-US	AC	200-299	200-299	810	6/2023	Las Vegas NV	Las Vegas NV	18 OH	13407 NEVP	I	100 Sunrise 400-599 kV Planned	Economics or Congestion	
2014	WECC-US	AC	200-299	200-299	810	6/2023	Las Vegas NV	Las Vegas NV	4 OH	13407 NEVP	I	100 Sunrise 400-599 kV Planned	Economics or Congestion	
2014	WECC-US	AC	400-599	400-599	3000	6/2023	Las Vegas NV	Las Vegas NV	8 OH	13407 NEVP	I	100 Sunrise 400-599 kV Planned	Economics or Congestion	
2014	WECC-US	AC	400-599	400-599	3000	6/2023	Las Vegas NV	Las Vegas NV	8 OH	13407 NEVP	I	100 Sunrise 400-599 kV Planned	Economics or Congestion	
2014	WECC-US	AC	400-599	400-599	3000	6/2020	Las Vegas NV	Las Vegas NV	28 OH	13407 NEVP	I	100 Harry Allen - Northw Conceptual	Variable/Rene Economics or Congestion	
2014	WECC-US	AC	400-599	400-599	3000	1/2016	Boulder City NV	Lathrop WellsNV	110 OH	13407 NEVP	I	0% (WAPA O\ Mead - Amaragosa) Conceptual	Variable/Renewable Integration	
2014	WECC-US	AC	400-599	400-599	3000	1/2020	Las Vegas NV	Lathrop WellsNV	75 OH	13407 NEVP	I	100 Northwest - Amargc Conceptual	Variable/Renewable Integration	
2014	WECC-US	AC	400-599	400-599	TBD	6/2015	Las Vegas NV	Las Vegas NV	0 OH	13407 NEVP	I	100 Harry Allen / Eldora Planned	Variable/Renewable Integration	
2014	WECC-US	AC	400-599	400-599	TBD	6/2020	Las Vegas NV	Las Vegas NV	0 OH	13407 NEVP	I	100 Harry Allen / Eldora Planned	Variable/Renewable Integration	
2014	WECC-US	AC	200-299	200-299	810	6/2018	Las Vegas NV	Las Vegas NV	5 OH	13407 NEVP	I	100 Pecos - Brooks 200- Planned	Economics or Congestion	
2014	WECC-US	AC	200-299	200-299	600	12/2016	Shiprock, NM	near Ignacio, CO	70	030102	TSGT	C	1 San Juan Basin Ener Under Constructor	Reliability Economics or Congestion
2014	WECC-US	AC	100-120	100-120	80	12/2015	Escalante, NM	Gallup ,NM	42	030102	TSGT	C	1 Escalante-Gallup 10 Under Constructor	Reliability Economics or Congestion
2014	WECC-US	AC	100-120	100-120	200	9/2016	North	Montano	2.3	030105	PNM	I	1 Richmond Switching Planned	Reliability Other
2014	WECC-US	AC	100-120	100-120	285	6/2018	Buckman	White Rock	12	030106	Los Alamos C M		1 Los Alamos Service / Conceptual	Economics or Other
2014	WECC-US	AC	100-120	100-120	285	6/2021	BA	STA	12	030106	Los Alamos C M		1 Los Alamos Service / Conceptual	Economics or Other
2014	WECC-US	AC	300-399	300-399	1195	6/2015	San Juan	BA	N/A	030105	PNM	I	1 Rio Puerco Phase 2 Under Constructor	Reliability
2014	WECC-US	AC	100-120	100-120	153	12/2015	near Las Cruces	Las Cruces, NM	3.4	030102	TSGT	C	1 Picacho - Las Cruces Under Constructor	Reliability Reliability
2014	WECC-US	AC	100-120	100-120	168	12/2018	near Caballo, NM	Mimbres Substation	57	030102	TSGT	C	1 Caballo-Mimbres 11 Under Constructor	Reliability Reliability
2014	WECC-US	AC	100-120	100-120	240	12/2019	Gladstone, NM	Springer, NM	61	030102	TSGT	C	1 NENM Reliability Imj Planned	Reliability Reliability
2014	WECC-US	AC	200-299	200-299	630	12/2021	San Luis Valey Co	near Carson, NM	TBD	030102	TSGT	C	1 Valley Corridor Tran Planned	Reliability Reliability
2014	WECC-US	AC	300-399	300-399	1195	9/2015	Four Corners	West Mesa	N/A	030105	PNM	I	1 Rio Puerco Phase 3 Under Constructor	Reliability
2014	WECC-US	AC	200-299	200-299	875	6/2021	Gilbert AZ	Queen Creek AZ	8	16572 SRP	S	100% SRP	Ball to Pfister Planned	Reliability Fossil-Fired Integration
2014	WECC-US	AC	200-299	200-299	875	6/2021	Queen Creek AZ	Florence AZ	12	16572 SRP	S	100% SRP	Pfister to Abel Planned	Reliability Fossil-Fired Integration
2014	WECC-US	AC	400-599	400-599	3000	1/2016	Corona, NM	Coolidge AZ	400-599			SWPG SunZia Other	Participation SUNZIA SOUTHWES Planned	Variable/Rene Variable/Renewable Integration
2014	WECC-US	AC	200-299	200-299	875	4/2015	Mesa, AZ	Mesa AZ		16572 SRP	S	100% SRP	Rogers to Browning Planned	Reliability
2014	WECC-US	AC	200-299	200-302	TBD	4/2019	Pinal County, AZ	Ray, AZ		16572 SRP	S	100% SRP	Silver King to RS29 Conceptual	Reliability
2014	WECC-US	AC	100-120	100-121	TBD	2/2019	Ray, AZ	Ray, AZ		16572 SRP	S	100% SRP	RS29 to RS30 Conceptual	Reliability
2014	WECC-US	AC	400-599	400-599	TBD	12/2023	Wintersburg, AZ	Maricopa, AZ		16572 SRP	S	TBD	Hassayampa to Pina Conceptual	Reliability
2014	WECC-US	AC	400-599	400-599	TBD	12/2015	Goodyear, AZ			16572 SRP	S	TBD	Jojoba loop in of Ha Conceptual	Reliability
2014	WECC-US	AC	300-399	300-399	1195	6/2025	Vail, AZ	Tucson, AZ	11	24211 TEP	I	TBD	Vail - Irvington 300- Conceptual	Other Other
2014	WECC-US	AC	300-399	300-399	1195	6/2025	Tucson, AZ	Sahuarita, AZ	16	24211 TEP	I	TBD	Irvington - South 30 Conceptual	Other Other
2014	WECC-US	AC	300-399	300-399	1195	6/2023	Red Rock, AZ	Marana, AZ	15	24211 TEP	I	TBD	Tortolita - North Lox Conceptual	Other Other
2014	WECC-US	AC	400-599	400-599	1732	5/2015	Nine Mile Corner, AZ	Red Rock, AZ	40	24211 TEP	I	TBD	Pinal Central - Torto Planned	Reliability Economics
2014	WECC-US	AC	400-599	400-599	TBD	6/2025	Red Rock, AZ	Benson, AZ	80	24211 TEP	i	TBD	Tortolita Saguaro - \ Conceptual	Other Other
2014	WECC-US	AC	300-399	300-399	1195	6/2025	Vail, AZ	Sahuarita, AZ	14	24211 TEP	I	TBD	Vail - South 300-395 Conceptual	Other Other
2014	WECC-US	AC	300-399	300-399	1195	6/2025	Springerville, AZ	Greenlee, AZ	110	24211 TEP	I	TBD	Springerville - Greer Conceptual	Other Other
2014	WECC-US	AC	300-399	300-399	1195	6/2025	Red Rock, AZ	Sahuarita, AZ	68	24211 TEP	I	TBD	Tortolita - South 30i Conceptual	Other Other
2014	WECC-US	AC	300-399 o	300-399 or 40	TBD	6/2025	Phoenix, AZ	Sahuarita, AZ	68	24211 TEP	I	TBD	Westwing - South #. Conceptual	Other Other
2014	WECC-US	AC	200-299	300-399	(2) 613	9/2017	Alamosa County, CO	Huerfano County, CO	93	30151 TSGT	C / I	40 / 60	San Luis Valley-Calu Planned	Reliability Variable/Renewable Integration
2014	WECC-US	AC	100-120	200-299	319	5/2015	ED4	ED2	9.2			Western Area F	100 ED4-ED2 Under Constructor	Reliability Economics or Congestion
2014	WECC-US	AC	151-199	200-299	279	5/2017	Parker	Headgate Rock	12.9			Western Area F	100 Parker-Headgate Ro Conceptual	Reliability Economics or Congestion
2014	WECC-US	AC	100-120	100-120	151	6/2017	ED2	Saguaro	35.6			Western Area F	100 ED2-Saguaro #2 Conceptual	Reliability Other
2014	WECC-US	AC	100-120	200-299	88.6	6/2021	Coolidge	Oracle	44.7			Western Area F	100 Coolidge-Oracle Conceptual	Reliability Economics or Congestion
2014	WECC-US	AC	200-299	200-299	319	6/2018	Pinal Central	ED5	18.4			Western Area F	100 Pinal Central-ED5 Conceptual	Reliability Economics or Congestion
2014	WECC-US	AC	200-299	200-299	355	6/2020	Rogers	Coolidge	39.9			Western Area F	100 Rogers-Coolidge Conceptual	Economics or Reliability
2014	WECC-US	AC	200-299	200-299	377	6/2022	Lone Butte	Sundance	45.7			Western Area F	100 Lone Butte-Sundanc Conceptual	Economics or Reliability
2014	WECC-US	AC	151-199	200-299	167	6/2021	Dome Tap	Gila	7.5			Western Area F	100 Dome Tap-Gila Conceptual	Reliability Economics or Congestion
2014	WECC-US	AC	151-199	200-299	167	6/2023	Gila	Welton Mohawk	13			Western Area F	100 Gila-Welton Mohaw Conceptual	Reliability Economics or Congestion
2014	WECC-US	AC	151-199	200-299	167	6/2025	Blythe	Gold Mine Tap	42			Western Area F	100 Blythe-Gold Mine T: Conceptual	Reliability Economics or Congestion
2014	WECC-US	AC	151-199	200-299	167	6/2023	Gold Mine Tap	Knob	22			Western Area F	100 Gold Mine Tap-Knot Conceptual	Reliability Economics or Congestion
2014	WECC-US	AC	400-599	400-599	1000	6/2016	Maricopa Co. AZ	Wintersburg AZ	15 OH	803 APS	I	APS-90%; CA Delaney - Palo Verde Planned	Economics or Reliability	
2014	WECC-US	AC	200-299	200-299	1200	6/2016	Buckeye AZ	Surprise AZ	15 OH	803 APS	I	100 Sun Valley – Trilby V Planned	Economics or Reliability	
2014	WECC-US	AC	400-599	400-599	1200	6/2015	Wintersburg AZ	Yuma AZ	100-120 OH	803 APS	I	100 Palo Verde - North C Planned	Economics or Reliability	
2014	WECC-US	AC	200-299	200-299	1200	6/2015	Surprise AZ	Goodyear AZ	12 OH	803 APS	I	100 TS2– Palm Valley 20 Planned	Reliability Economics or Congestion	
2014	WECC-US	AC	200-299	200-299	1200	6/2015	Surprise AZ	Surprise AZ	12 OH	803 APS	I	100 TS2– Trilby Wash 2C Planned	Reliability Economics or Congestion	
2014	WECC-US	AC	400-599	400-599	1200	6/2018	Buckeye AZ	Peoria AZ	40 OH	803 APS	I	APS-90%; CA Sun Valley – Morgar Planned	Economics or Reliability	
2014	WECC-US	AC	400-599	400-599	TBD	6/2016	Maricopa Co. AZ	Buckeye AZ	28 OH	803 APS	I	APS-90%; CA Delaney - Sun Valley Planned	Economics or Reliability	
2014	WECC-US	AC	200-299	200-299	TBD	6/2018	Yuma AZ	Yuma AZ	11 OH	803 APS	I	100 North Gila - TS8 20C Planned	Economics or Reliability	
2014	WECC-US	AC	100-120	100-120	156.6	5/2016	Las Cruces, NM	Las Cruces, NM	32 OH	5701 EPE	I	100 Afton-Airport-Leasb Conceptual	Other Load Growth	

2014	WECC-US	AC	100-120	100-120	353	5/2014	El Paso, Tx	El Paso,Tx	2.5	OH	5701	EPE	I	100	Caliente-Montana 1	Planned	Reliability	Load Growth
2014	WECC-US	AC	100-120	100-120	353	5/2016	El Paso, Tx	El Paso,Tx	2.5	OH	5701	EPE	I	100	Caliente-Montana 1	Planned	Reliability	Load Growth
2014	WECC-US	AC	100-120	100-120	353	5/2017	El Paso, Tx	El Paso,Tx	6	OH	5701	EPE	I	100	Montana-Montwoo	Planned	Reliability	Load Growth
2014	WECC-US	AC	100-120	100-120	156.6	5/2021	El Paso, Tx	El Paso,Tx	10.8	OH	5701	EPE	I	100	Montana-Picante 1	Planned	Reliability	Load Growth
2014	WECC-US	AC	100-120	100-120	156.6	5/2019	El Paso, Tx	El Paso,Tx	9.8	OH	5701	EPE	I	100	Montana-Pelicano 1	Planned	Reliability	Load Growth
2014	WECC-US	AC	100-120	100-120	156.6	5/2020	El Paso, Tx	El Paso,Tx	18	OH	5701	EPE	I	100	E1-E2 100-120 kV	Li Planned	Reliability	Load Growth
2014	WECC-US	AC	100-120	100-120	156.6	5/2020	El Paso, Tx	El Paso,Tx	4.3	OH	5701	EPE	I	100	E2-Horizon 100-120	Planned	Reliability	Load Growth
2014	WECC-US	AC	100-120	100-120	156.6	5/2021	El Paso, Tx	El Paso,Tx	12	OH	5701	EPE	I	100	E2-Felipe 100-120 k	Planned	Reliability	Load Growth
2014	WECC-US	AC	200-299	200-299	1200	6/2023	Las Vegas NV	Las Vegas NV	1	OH	13407	NEVP	I	100	Sunrise 400-599 kV	Planned	Economics or	Congestion
2014	WECC-US	AC	200-299	200-299	1200	6/2023	Las Vegas NV	Las Vegas NV	1	OH	13407	NEVP	I	100	Sunrise 400-599 kV	Planned	Economics or	Congestion
2014	WECC-US	AC	200-299	200-299	810	6/2023	Las Vegas NV	Las Vegas NV	18	OH	13407	NEVP	I	100	Sunrise 400-599 kV	Planned	Economics or	Congestion
2014	WECC-US	AC	200-299	200-299	810	6/2023	Las Vegas NV	Las Vegas NV	18	OH	13407	NEVP	I	100	Sunrise 400-599 kV	Planned	Economics or	Congestion
2014	WECC-US	AC	200-299	200-299	810	6/2023	Las Vegas NV	Las Vegas NV	4	OH	13407	NEVP	I	100	Sunrise 400-599 kV	Planned	Economics or	Congestion
2014	WECC-US	AC	200-299	200-299	810	6/2023	Las Vegas NV	Las Vegas NV	8	OH	13407	NEVP	I	100	Sunrise 400-599 kV	Planned	Economics or	Congestion
2014	WECC-US	AC	400-599	400-599	3000	6/2023	Las Vegas NV	Las Vegas NV	8	OH	13407	NEVP	I	100	Sunrise 400-599 kV	Planned	Economics or	Congestion
2014	WECC-US	AC	400-599	400-599	3000	6/2023	Las Vegas NV	Las Vegas NV	8	OH	13407	NEVP	I	100	Sunrise 400-599 kV	Planned	Economics or	Congestion
2014	WECC-US	AC	400-599	400-599	3000	6/2020	Las Vegas NV	Las Vegas NV	28	OH	13407	NEVP	I	100	Harry Allen - Northw	Conceptual	Variable/Rene	Economics or Congestion
2014	WECC-US	AC	400-599	400-599	3000	1/2016	Boulder City NV	Lathrop WellsNV	110	OH	13407	NEVP	I	0%	(WAPA O\ Mead - Amaragosa -	Conceptual	Variable/Renewable	Integration
2014	WECC-US	AC	400-599	400-599	3000	1/2020	Las Vegas NV	Lathrop WellsNV	75	OH	13407	NEVP	I	100	Northwest - Amargc	Conceptual	Variable/Renewable	Integration
2014	WECC-US	AC	400-599	400-599	TBD	6/2015	Las Vegas NV	Las Vegas NV	0	OH	13407	NEVP	I	100	Harry Allen / Eldora	Planned	Variable/Renewable	Integration
2014	WECC-US	AC	400-599	400-599	TBD	6/2020	Las Vegas NV	Las Vegas NV	0	OH	13407	NEVP	I	100	Harry Allen / Eldora	Planned	Variable/Renewable	Integration
2014	WECC-US	AC	200-299	200-299	810	6/2018	Las Vegas NV	Las Vegas NV	5	OH	13407	NEVP	I	100	Pecos - Brooks 200-	Planned	Economics or	Congestion
2014	WECC-US	AC	400-599	400-599	3000	6/2014	Ely NV	Boulder City NV	200-299	OH	17166	NEVP	I	0%	(GBT O\W\ Robinson - Eldorad	Conceptual	Variable/Rene	Economics or Congestion
2014	WECC-US	AC	400-599	400-599	3000	6/2014	Twin Falls ID	Ely NV	280	OH	17166	NEVP	I	0%	(GBT O\W\ Robinson - Midpoin	Conceptual	Variable/Rene	Economics or Congestion
2014	WECC-US	AC	100-120	120	200	6/2014	Bordertown, NV	Verdi, CA	12	OH	17166	NEVP	I	100	Cal Sub - Bordertow	Under Constructor	Economics or	Reliability
2014	WECC-US	AC	200-299	200-299	600	12/2016	Shiprock, NM	near Ignacio, CO	70		030102	TSGT	C	1	San Juan Basin Ener	Under Constructor	Reliability	Economics or Congestion
2014	WECC-US	AC	100-120	100-120	80	12/2015	Escalante, NM	Gallup ,NM	42		030102	TSGT	C	1	Escalante-Gallup 10	Under Constructor	Reliability	Economics or Congestion
2014	WECC-US	AC	100-120	100-120	200	12/2015	North	Montano	2.3		030105	PNM	I	1	Sandia-North Line	Planned	Reliability	Other
2014	WECC-US	AC	100-120	100-120	285	6/2018	Buckman	White Rock	12		030106	Los Alamos C M		1	Los Alamos Service -	Conceptual	Economics or	Other
2014	WECC-US	AC	100-120	100-120	285	6/2021	BA	STA	12		030106	Los Alamos C M		1	Los Alamos Service -	Conceptual	Economics or	Other
2014	WECC-US	AC	300-399	300-399	1195	12/2015	San Juan	BA	N/A		030105	PNM	I	1	Rio Puerco Phase 2	Planned	Reliability	
2014	WECC-US	AC	100-120	100-120	153	12/2015	near Las Cruces	Las Cruces, NM	3.4		030102	TSGT	C	1	Picacho - Las Cruces	Under Constructor	Reliability	Reliability
2014	WECC-US	AC	100-120	100-120	168	12/2018	near Caballo, NM	Mimbres Substation	57		030102	TSGT	C	1	Caballo-Mimbres 11	Under Constructor	Reliability	Reliability
2014	WECC-US	AC	100-120	100-120	240	12/2019	Gladstone, NM	Springer, NM	61		030102	TSGT	C	1	NENM Reliability Imj	Planned	Reliability	Reliability
2014	WECC-US	AC	200-299	200-299	630	12/2021	San Luis Valey Co	near Carson, NM	TBD		030102	TSGT	C	1	Valley Corridor Tran	Planned	Reliability	Reliability
2014	WECC-US	AC	300-399	300-399	1195	12/2015	Four Corners	West Mesa	N/A		030105	PNM	I	1	Rio Puerco Phase 3	Planned	Reliability	
2014	WECC-US	AC	100-120	100-120	200	12/2015	Rio Puerco	Progress	N/A		030105	PNM	I	1	Rio Puerco Progress	Planned	Reliability	
2014	WECC-US	AC	100-120	100-120	450	4/2014	San Juan	Ojo	N/A		030105	PNM	I	1	Jicarilla 345 kV Stati	Under Constructor	Reliability	
2014	WECC-US	AC	200-299	400-599	1405	5/2014	Maricopa AZ	Mesa AZ	-87		16572	SRP	S	various	Southeast Valley Prc	Planned	Reliability	
2014	WECC-US	AC	400-599	400-599	1670	5/2014	Maricopa AZ	Mesa AZ	87		16572	SRP	S	various	Southeast Valley Prc	Planned	Reliability	
2014	WECC-US	AC	200-299	200-299	875	6/2021	Gilbert AZ	Queen Creek AZ	8		16572	SRP	S	100% SRP	Ball to Pfister	Planned	Reliability	Fossil-Fired Integration
2014	WECC-US	AC	200-299	200-299	875	6/2021	Queen Creek AZ	Florence AZ	12		16572	SRP	S	100% SRP	Pfister to Abel	Planned	Reliability	Fossil-Fired Integration
2014	WECC-US	AC	200-299	200-299	875	5/2014	Casa Grande, AZ	Coolidge AZ	21		16572	SRP	S	100% SRP	Desert Basin-Pinal C	Planned	Reliability	Fossil-Fired Integration
2014	WECC-US	AC	400-599	400-599	3000	1/2016	Corona, NM	Coolidge AZ	400-599					Participation	SUNZIA SOUTHWES	Planned	Variable/Rene	Variable/Renewable Integration
2014	WECC-US	AC	200-299	200-299	TBD		Chandler, AZ	Chandler, AZ	8		16572	SRP	S	100% SRP	Schrader to RS28	Planned	Reliability	
2014	WECC-US	AC	200-299	200-299	875	4/2016	Mesa, AZ	Gilbert, AZ			16572	SRP	S		Rogers to Santan	Conceptual	Reliability	
2014	WECC-US	AC	200-299		875	4/2014	Gilbert, AZ	Chandler, AZ			16572	SRP	S		Santan to Schrader	Planned	Reliability	
2014	WECC-US	AC	200-299		875	4/2014	Mesa, AZ	Coolidge AZ			16572	SRP	S		Browning to Pinal C.	Under Constructor	Reliability	Fossil-Fired Integration
2014	WECC-US	AC	200-299		1600	4/2018	Pinal County, AZ	Ray, AZ			16572	SRP	S		Silver King to RS29	Conceptual	Reliability	
2014	WECC-US	AC	100-120		340	2/2018	Ray, AZ	Ray, AZ			16572	SRP	S		RS29 to RS30	Conceptual	Reliability	
2014	WECC-US	AC	300-399	300-399	1195	6/2023	Vail, AZ	Tucson, AZ	11		24211	TEP	I	TBD	Vail - Irvington 300-	Conceptual	Other	Other
2014	WECC-US	AC	300-399	300-399	1195	6/2023	Tucson, AZ	Sahuarita, AZ	16		24211	TEP	I	TBD	Irvington - South 30	Conceptual	Other	Other
2014	WECC-US	AC	300-399	300-399	1195	6/2023	Red Rock, AZ	Marana, AZ	15		24211	TEP	I	TBD	Tortolita - North Loc	Conceptual	Other	Other
2014	WECC-US	AC	400-599	400-599	1732	5/2016	Nine Mile Corner, AZ	Red Rock, AZ	40		24211	TEP	I	TBD	Pinal Central - Torto	Planned	Reliability	Economics
2014	WECC-US	AC	400-599	400-599	TBD	6/2023	Red Rock, AZ	Benson, AZ	80		24211	TEP	i	TBD	Tortolita - Winchest	Conceptual	Other	Other
2014	WECC-US	AC	300-399	300-399	1195	6/2023	Vail, AZ	Sahuarita, AZ	14		24211	TEP	I	TBD	Vail - South 300-395	Conceptual	Other	Other
2014	WECC-US	AC	300-399	300-399	1195	6/2023	Springerville, AZ	Greenlee, AZ	110		24211	TEP	I	TBD	Springerville - Greer	Conceptual	Other	Other
2014	WECC-US	AC	300-399	300-399	1195	6/2023	Red Rock, AZ	Sahuarita, AZ	68		24211	TEP	I	TBD	Tortolita - South 30	Conceptual	Other	Other
2014	WECC-US	AC	300-399 o	300-399 or 40	TBD	6/2023	Phoenix, AZ	Sahuarita, AZ	68		24211	TEP	I	TBD	Westwing - South #:	Conceptual	Other	Other
2014	WECC-US	AC	200-299	300-399	(2) 613	9/2017	Alamosa County, CO	Huerfano County, CO	93		30151	TSGT	C / I	40 / 60	San Luis Valley-Calu	Planned	Reliability	Variable/Renewable Integration
2014	WECC-US	AC	100-120	200-299		12/2015	ED4	ED2	9.2			Western Area: F		100	ED4-ED2	Planned	Reliability	Economics or Congestion
2014	WECC-US	AC	100-120	200-299		1/2024	Coolidge	Valley Farms	5.2			Western Area: F		100	Coolidge-Valley Farr	Conceptual	Reliability	Economics or Congestion
2014	WECC-US	AC	151-199	200-299		1/2016	Parker	Headgate Rock	14			Western Area: F		100	Parker-Headgate Ro	Conceptual	Reliability	Other
2014	WECC-US	AC	151-199	200-299		1/2020	Headgate Rock	Bouse	18			Western Area: F		100	Headgate Rock-Bou:	Conceptual	Reliability	Other
2014	WECC-US	AC	100-120	100-120	200	1/2018	Oracle	Tucson	15.8			Western Area: F		100	Oracle - Tucson	Conceptual	Reliability	Economics or Congestion
2014	WECC-US	AC	151-199	200-299	478	1/2024	Parker	Blythe	54.7			Western Area: F		100	Blythe - Parker	Conceptual	Reliability	Economics or Congestion
2014	WECC-US	AC	100-120	200-299		1/2020	Tucson	Nogales	20.4			Western Area: F		100	Tucson-Nogales	Conceptual	Reliability	Economics or Congestion
2014	WECC-US	AC	100-120	200-299		12/2019	Saguaro	Tucson	35.4			Western Area: F		100	Saguaro-Tucson	Conceptual	Reliability	Economics or Congestion
2014	WECC-US	AC	151-199	200-299	478	1/2023	Gila	Knob	20			Western Area: F		100	Gila -Knob	Conceptual	Reliability	Economics or Congestion
2014	WECC-US	AC	100-120	200-299		1/2022	Nogales	Apache	59.2			Western Area: F		100	Nogales-Apache	Conceptual	Reliability	Economics or Congestion
2014	WECC-US	AC	100-120	200-299		1/2023	Saguaro	Oracle	19			Western Area: F		100	Saguaro-Oracle	Conceptual	Reliability	Economics or Congestion
2014	WECC-US	AC	151-199	200-299	478	1/2018	Blythe	Headgate Rock	19			Western Area: F		100	Blythe - Headgate R	Conceptual	Reliability	Other
2014	WECC-US	AC	200-299		1500	4/2015	Coachella Valley Substation	Mirage Substation	20	OH		Imperial Irrigation District			Path 42 (IID Portior	Under Constructor	Variable/Rene	Reliability